SIDHO - KANHO - BIRSHA - UNIVERSITY



B.SC 6th SEMESTER EXAMINATION 2022

PROJECT WORK

TOPIC :- PROJECT ON MODERN CHEMICAL BASED

AGRICULTURE COMPARED TO.

ORGANIC FARMING

SUBMITTED BY

ANJALI GORAIN REG NO - 009300 OF 2019 - 20 ROLL - 118641 NO - 1913929

SUBMITTED , O

DIPAK KUMAR MAJEE (H.O.D OF NUT.DEPT.)

SIDHO KANHO BIRSHA UNIVERSITY



Bsc. 6th semester

Nutrition honours, examination 2022

SURVEY WORK

Topic name - Performance of NRC, A case study from Baghmundi, Purulia, W.B.



Course Code : BNUTDSHC5 Course Title : Disaster Management Subject : Nutrition Honours

<u>Submited by</u> Ankita Acharya Reg -009301 of 2019-2020 Roll- 118641 No- 1913930 <u>submitted to</u> Smt. Punam Roy



SIDHO KANHO BIRSHA UNIVERSITY



Bsc. 6th semester

Nutrition honours, examination 2022

SURVEY WORK

Topic name - Evaluation Of health hazard and nutritional status of Tussar weavers



Course Code : BNUTDSHC5

Course Title : Disaster Management

Subject : Nutrition Honours

<u>Submited by</u> Arunima chandra Reg -009313 of 2019-2020 Roll- 118641 No- 1913942 submitted to Mrs.Rimly Mukherjee **B.Sc 3 YEAR DEGREE**

HORANHO-BIRSHA UNIVERSION

HONOURS 6TH SEMESTER EXAMINATION 2021

Topic

A Comprehensive Study on Health and Nutritional of old aged Person Residing at Balarampur Village **Under Purulia District**

SUBMITED BY

Atiya Zabin

REGISTRATION NO:-009314 of 2019-2020

ROLL NO:- 118641-1913943

SUBMITED TO

Dipak Kumar Majhi

H.O.D of Nutration Department



B.Sc 3 YEAR DEGREE

HONOURS 6TH SEMESTER EXAMINATION 2021.

PROJECT WORK

TOPIC :- "Performance of Nutrition Rehabilitation Centers A case Study From Baghmundi In Purulia District (W.B.)"

SUBMITED BY

SUBMITED TO

KABITA MAHATO

REGISTRATION NO:- 009332 OF 2019-2020

ROLL NO:- 118641- 1913961

Smt. PUNAM ROY

Lectural. OF NUTRITION DEPT.



SIDHO-KANHO-BIRSHA

UNIVERSITY



B.SO 3 YEAR DEGREE

Honours 6th semester Examination-2022

Project Work

TOPIC : - "Performance of Nutrition Rehabilitation Centers- A case Study From Baghmundi In Purulia District (W.B.)"

Submitted By Miss Khusi Hazra Reg. No.- 009339 of 2019-20 Roll -118641 No.- 1913968

Submitted To

Smt. Punam Roy

Nutrition Dept.





B.SC6th Semester Nutrition Honours, Examination 2022 Course code : BNUTDSHC5 Course title : Nutritional Disaster Management



Topic : A Case Study of Infants and Children Hygiene and Sanitation

SUBMNITED BY

Miss Lata Gorai Registretion no-009342 of 2019-2020

SUBMITED TO

SMT. Rimly Mukherjee (State Aided college Teacher)

Roll-118641 No -1913971

SIDHD-KANHD-BIRSHA-UNIVERSITY

BSC: 6th Semester EXAMINATION 2022



Topic-Impact of Socio-economic status on Nutritional status on Adolescent girl of PURULIA MUNICIPALITY area of PURULIA District

SUBMITTED BY

PIYALI NATH REG NO- 009366 0F 2019-2020 ROLL- 1/864/NO- 1913995

SUBMITTED TO

DIPAK KUMAR MAJHI (HOD OF NUTRITION DEPT.)





SIDHD-KANHD-BIRSHA-UNIVERSITY

BSC: 6TH SEMESTER EXAMINATION 2022



Topic-A CASE STUDY OF MIGRANE & IT'S NUTRITIONAL PREVENTION IN WOMEN

SUBMITED BY SAYANI DAS REG NO- 009399 DF 2019-2020 ROLL- 118641NO- 1914028

3

SUBMITED TO

Smt. RIMLY MUKHERJEE (TEACHER OF NUTRITION DEPT..)

SIDHO-KANHO-BIRSHA-UNIVERSITY

BSC: 6TH SEMESTER EXAMINATION 2022





Topic-EVALUATION OF NUTRITIONAL STATUS OF CHHAU DANCER OF BAGMUNDI

SUBMITED BY

SHAYANTIKA MAJHI REG NO- 009403 0F 2019-2020 ROLL- 118541 NO- 1914032

SUBMITED TO

Smt. RIMLY MUKHERJEE (TEACHER OF NUTRITION DEPT...)



B.SC 6TH SEMESTER EXAMINATION - 2022

DPERTMENT OF NUTRITION

COURSE CODE - BNUTDSHC5

COURSE TITLE - DISASTER MANAGEMENT

SUBJECT - NUTRITION HONS.

PROJECT WORK TOPIC - GENERAL ANESTHESIA IN A PATIENT WITH GILBERT DISEASES

REGISTRATION NO . - 009427 OF 2019-2020

ROLL - 118641 NO. - 1914056

and the second second second

SUBMITTED TO

SUBMITTED BY

DIPAK KUMAR MAJHI

SUMONA MUKHERJEE

8.CONCLUSION

This project aims towards the increasing hazardous effects on using pesticides and insecticides in agricultural sector. Most of the population of this country live in rural areas and are dependent on agriculture which ultimately is the main basic living component supplier, a close co-ordinator of the different agencies who monitor the levels of much needed. So that they can feed back to the government and administrator.

It's high time and now its time to action .We Should replace our checimal fertilizers by organic ones, Practices of organic farming must be implement for better future and good health.There is also a move towards sustainable agriculture that aims to minimize use of pesticide and fertilizers based on a system approach.

Roll- 118641 - Nº 1913929

: Conclusion :-

These Study Shows that NRC has been playing a key role to cope with malnutrition. Improvement of awareness level, Nutritional counselling and sanitation and women improvement motivation is also important for development of nutritional status of children. NRC play a good role to improve child health as well as mother health.

I completed the Survey in Baghmundi "Pathardih Nutritional Rehabilitation Centre" at Purulia District (WB). It was a wonderful & learning experience for me while working on this Project. I found that the Condition of the centre, infrastructure, treatment practices are in good to excellent level.

In my Opinion the number of NRCs need to increase in WB. & there is a need to recruit, train & place the nursing staff for optimal management of NRCs. & it is necessary to increase the bed capacity. Supply of equipment as per guideline should be made to NRC as to improve the quality of the services. It was a very pleasant experience for me in making this project.

I get experience about word visit & patient counselling .

CONCLUSION

In this study shows that Nutrition Rehabilitations Center has been playing key role to cope with Severe Acute Malnutrition.

The awareness level and expectation of mother could be improved through NRC based education and outreach service. Woman improvement sanitation and motivation is also important for the development of nutritional status of children.

I was completed the survey in Bhagmundi ,Pathardih Nutrition Rehabilitation Center at Purulia District.

l was found that the condition of the center, infrastructure treatment facilities are in good to excellent level.

My opinion to all mothers to care of them self and their child for do not suffering under nutrition. If they are suffering from malnourished than admitted to NRC as early as possible do not wasting time as there are available facilities what they need to recover from it.

8. Conclusion:-

As calculation of this survey project most of the members are belonging in malnutrition problem.

The process releases large amount of dust or particals that effect the respiratory system, can cause cold , caugh, bronchitis, asthama, etc. The incidence of this disease is too higher than any other groups in general population. They do not wear mask ,gloves as protecting clothing. Further health effects include – pain, cramping in shoulder ,neck ,back pain,eye problems. Heavy metal toxicity during dyeing process can damage other organ ,mental confusion.

As my opinion health education and medical supervision must at regular in silk industry, ideal rearing houses are to be well ventilated, wearing protecting cloths are very important

Thus it can be concluded that a industry grow with employes, employers with the Thus, hence health and safety at work place are important for moral, legal and financial reasons.



The aged or the elderly (more than 60 years of age) belong to the post mature adult group of population. During the aging process, certain inevitable degenerative changes that occur, result in functional decline. These are mostly influenced by genetics, nutrition, socioeconomic, psychological conditions, illness and availability of health care facilities. Hence, proper nutrition and health care are necessary for them to lead a normal life.

There is an old saying which says that "old is gold". It is true with our elderly pople. These people with all their wisdom and experience contribute their mite to total family income and welfare of society, and as such they should be considered as an asset to the community. Changing family structures and withering away of the traditional joint family system have led to the rising proportion of elderly persons in need of care and support. It is necessary to emphasize the importance of family and community support for the elderly, so that all our senior citizens find themeselves part of a caring society that attends to their needs while giving them due respect and independence. It is our moral and social responsibility to protect, care and cherish our elders to make them feel happy and comfortable in their older days.

CONCLUSION

It is revealed that diet is an important part for the treatment of community health status as well as specific disease patients .Diet help to reduce the stay period in hospital an emphasis the treatment.Nutritionist is un available part of the medical team.

I completed the survey in "Baghmundi "(Pathardih) NRC at purulia district(W.B.).I found that the condition of the centre, treatment facilities are in good to excellent level.

I conducted that Nutritionist should be with doctor to improve the medical facilities.

I have suggested different type of therapeutic diet for the patient by counselling with doctor.

I get experiences about ward visit and patient counselling and NRC play a good role to improve child health as well as mother health.

Page no-20

<u>Conclusion</u>

A concentrate set of recommendations to narrow the gaps in NRCs effective implementation is essential which are as follows-

- Frontline workers, health workers in the community and PHCs should be trained and given hands on training to measure the weight, MUAC, WHZ score and oedema of children aged 1-59 months. Process of identification and referral of SAM children from the community to NRC need to be further strengthened for early referral. During sessions, mothers/caregivers are also suggest to be provided counseling and support to address the reasons for poor nutrition and health to their child. Awareness generation amongst community members should be actively taken regarding their Infants and Young Child Feeding (IYCF) practices.
- In my opinion after knowing the importance of NRCs I think that the government should pay more attention to establish more NRCs. Even I think every hospital should have a Special NRC department to demolish the tendency of malnutrition from the world.

CONCLUTION

Conducted this survey work at a rural area, Khorbona (Bero, 176 No Anganwadi center) under Purulia district about Infants and children's Sanitation and Hygiene condition.

The result of this survey indicates that the low standard of infants sanitation of that locality. The major causes such poor sanitary conditions are low socio economic condition and inadequate health knowledge of people of this locality.

The only solution of such problem is to improve the socio- economic condition of the people of the locality and strengthening the nutrition and health education of mothers and others member of the family.

8. CONCLUSSION:

Socio-economic Status & Nutritional Status are inextricably linked. Socio-economic factor represents standard of living of any people, in this study it shows that skilled, educated persons adolescent girls have Normal and Obesity condition. 40% girls have under nourished condition, 6.66% girls have overweight, and 3.33% have obesity & 50% girls have normal in condition among all Adolescent girls.

Family income also has a profound influence on the Nutritional status, Adolescent girls with high family income mostly have the normal nutritional status, overweight, and obesity condition. On the other hand, Adolescent girls with low income have the major percentage of malnutrition condition with few no. of normal nutritional status. This study has shown Socio-economic status effects living standard and Nutritional intake, it effects the Adolescent growth too.

As the Adolescent Girls of today are the mother of the Future, proper Nutrition at this period is very much important. The result of the study indicates the double burden of Malnutrition (overweight & underweight) in Adolescent Girl. Nutritional awareness of the Parents helps to demolish the Malnutrition State of the Adolescent Girl.

Page | 23

Roll - 118641- No. 1913995

Conclusion:-

Taking of junk food is a dietary habit of our present day children.

Consumption of diet reach in sugar, saturated fat, salt and calorie in children can lead to early development of health hazards. There are various reasons of Consumption of such food by children. Most of junk food users know well about negative effects associated with junk food consumption. However, they take junk food without considering their health complications. Prompt necessary actions should be undertaken to tackle this health problem. Implementation of law to regulate the marketing of junk foods may be an important step in reducing junk food consumption by children. Awareness regarding healthy feeding may save children from harmful effects of junk food in this area.

8. CONCLUSION

Migraines are a recurring type of headache; they cause moderate to severe pain that is throbbing or pulsing. The pain is often on one side of your head. You may also have other symptoms, such as nausea and weakness. You may be sensitive to light and sound.

Researcher believe that this is a neurological problem occur because of many reasons, these are some triggers or some risk factor like food allergy, food which increase migraine some other cause also includes like anxiety, stress, high light, smell, strong sounded.

To cure migraine diet is important factor, there many special types of diet to cure, this diet are elimination diet and migraine diet.

From these survey its find out that many women suffer from migraine, mainly in those women many of they suffer from may cause like food allergy, or some of they suffer from other cause like high light, strong smell, dehydration, stress condition, during period.

For this survey15 individual are take, in 15 individual 8 people have food allergy, and 7 people have other cause like stress, meal skipping etc.

All age group can be affectedly migraine.

Physical activity can affect migraine, if exercise id not done those pain is moderate to severe, then if exercise is releasing the severity of pain type. riboflavin rich food, ketogenic food effect on migraine.

Migraine is recoverable type of disorder, if individual can maintain above thing these can help, to lead a healthy lifestyle, without any complication.

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6.CONCLUSION

The Chhau dance that originated from Purulia finds its inspiration from martial arts and combative training. The dancers perform a repertoire that explores a variety of subjects like mythological episodes from Ramayana, Mahabharata and Puranas, local legends and folklores and abstract themes. The traditional dance is performed at open spaces at the rhythm of various kinds of drums and other musical instruments. Indigenous drums like dhol, dhumsa and kharkai are used along with the melody of mohuri and shehnai to make the dance lively and striking. Over the centuries, this dan. form was patronized by the royal families, rich landlords as well as by a few British Governors of the region. It is believed that the Raja (king) of Baghmundi in Purulia was the main patron of these dances. It was through his inspiration and patronage that the Chhau masks were made elaborately.

To assess the nutritional status of the Chhau dancers I have conducted a study at Bagmundhi Block of Purulia. From this survey it is found that most of the Chhau dancers are belongs in low economic status.

According to the ICMR Chhau dancers are categorised as heavy worker. So they needs high calorie, high protein, normal carbohydrate and normal fat. But their daily requirement can' meet. So , proper measures should be taken to their nutritional and health status. They have poor knowledge about health and nutrition. So, the awareness about health and nutrition should be improved by taking appropriate measures.

60 | Page

Conclusion

I conduct this survey in Purulia districtto find a patient who suffering from Gilbert syndrome, a rare syndrome. In this case bilirubin is high for life time and he doesn't suffer any other symptoms.

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের ক্ষেত্রসমীক্ষা

বর্ষ: ২০২২-২০২৩

93:000

বিষয় : পুরুলিয়ার লোকভাষা : প্রসঙ্গ লোক-সংস্কার, লোক-বিশ্বাস

ও লোক দেব-দেবী

সমীক্ষকের নাম : আভা চালক

অধিবর্ষ : তৃতীয়

রোল: 51311821

রেজিস্ট্রেশন নাম্বার : 000139 অফ : 2018-2019

কোর্স-কোড : MBENCCT306

নাম্বার : 0075

নিস্তারিনী মহাবিদ্যালয় মাতকোত্তর শ্রেনি বাংলা বিভাগ সমীষ্ষকের নাম - অনুশ্রী পাল রোল - ৫১৩১১৮২১ নং - ০০৭৬ রেজিস্ট্রেশন নাম্বার - ০০৮৮১২ অফ ২০১৮ - ২০১৯ অধিবর্ষ - তৃতীয় (২০২২-২০২৩) পত্র - ৩০৬

বিষয় - 'পুরুলিয়ার নারী জীবনে ব্যবহৃত শব্দাবলী'।



পুরুলিয়া 💀 পশ্চিমবঙ্গ

সিধো-কানহো-বিরসা বিশ্ববিদ্যালয়

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের ক্ষেত্রসমীক্ষা বর্ষ:-২০২২-২৩ পত্র:- ৩০৬

বিষয় :- মানভূমের প্রবাদ ধাঁধা ও ছড়াতে প্রতিফলিত জীবনচিত্র ও লোকশব্দের বৈচিত্র্য

সমীক্ষকের নাম : অপরাজিতা মাহাত অধিবর্ষ:- তৃতীয় রোল: 51311821 নাম্বার :- 0077 রেজিম্ট্রেশন নাম্বার :- 015566 অফ:- 2018-2019 কোর্স কোড :- MBENCCT 306

র্সধো-কানহো-বীরসা বিশ্ববিদ্যালয় নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের ক্ষেত্রসমীক্ষা বর্ষ : ২০২২-২০২৩

পত্র : ৩০৬

বিষয় : পুরুলিয়ার লোকসংস্কৃতি ও লোকশব্দ

সমীক্ষকের নাম : অর্চনা পাল

অধিবর্ষ : তৃতীয়

কোর্স**-**কোড : MBENCCT 306

রোল: ৫১৩১১৮২১

নম্বর :০০৭৮

রেজিস্ট্রেশন নাম্বার : ০১৫৩৯৭ অফ : ২০১৮-২০১৯

সিধো - কানহো - বীরসা- বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের ক্ষেত্রসমীক্ষা

বৰ্ষঃ ২০২২ – ২০২৩

পত্রঃ – ৩০৬

বিষয় - শব্দমালায় মানভূমের লোকায়ত জীবন

সমীক্ষকের নাম - দেবী ভবানী মাহাত

অধিবর্ষ- তৃতীয়

Cold Lower -

রোল - 51311821 নাম্বার - 0080

রেজিস্ট্রেশন নাম্বার - 002969 অফ – 2018-2019

কোর্স কোড - MBENCCT 306





নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শি**ক্ষার্থীদের** ক্ষেত্রসমীক্ষা

বর্ষ : ২০২২-২৩

MI : 005

বিষয় : মানভূমের প্রচলিত ভাদু টুসু গানের লোকজীবন

রাল : 51311821	নম্বর :0082
অধিবর্ষ : তৃতীয়	ৰোৰ্স-কোড : MBENCCT306
সমীক্ষকের নাম : ডোনা ব্যানার্জি	

সিধো-কালহো-বিরসা বিশ্ববিদ্যালয়



<u> লিস্তাবিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগ</u>

ক্ষেত্রসমীক্ষা

वर्ष : २०२२-२७

93 : 006

<u> বিষয় : ধাঁধা , প্রবাদে মালভূমের লোকজীবল</u>

সমীষ্ণকের নাম : গায়ত্রী মাহাত

অধিবর্ষ : তৃতীয়

কার্স কোড : MBENCCT306

রোল : ৫১৩১১৮২১

নম্বর : ০০৮৩

রেজিস্ট্রেশন নম্বর : ০০২৯৮৫ অফ : ২০১৮-২০১৯

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



মহাবিদ্যালয় : নিস্তারিণী মহাবিদ্যালয়

বর্ষ : ২০২২-২০২৩

পত্র : ৩০৬

বিষয় : মানভূমের লোকসাহিত্য ও তার রূপতাত্ত্বিক বিশ্লেষণ। (ছড়া, ধাঁধা, প্রবাদ, সংগীত,কথা)

সমীক্ষকের নাম : হেনাজ খাতুন	
অধিবর্ষ : তৃতীয়	কোর্স - কোড : MBENCCT 306
রোল: ৫১৩১১৮২১	নহার: ০০৮৫
রেজিস্ট্রেশন নস্বর : ০১২২৭৯	অফ: ২০১৭-২০১৮



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের ক্ষেত্রসমীক্ষা

বর্ষ : ২০২২- ২০২৩

পত্র : ৩০৬

<u>বিষয়:</u> মানভূমে ব্রত ও পাল- পার্বণে লোকশব্দের ব্যবহার

সমীক্ষকের নাম - ঝুমকা চ্যাটাজ্জী

অধিবর্ষ- তৃতীয়

রোল -৫১৩১১৮২১

রেজিন্ট্রেশন নম্বর- ০০৮৪৩৬

কোর্স কোড- MBENCCT306

নশ্বর- ০০৮৬

वाक- २०३१-२०३४
সিধো-কানহো-বিরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগ

ক্ষেত্ৰসমীক্ষা

বর্ষ: ২০২২-২৩

পত্র : ৩০৬

বিষয় : বৃহত্তর পুরুলিয়ার গৃহস্থালী ভাষা ও শব্দ

সমীক্ষকের নাম : লক্ষ্মী মাহালী

অধিবর্ষ : তৃতীয়

কোর্স কোড : MBENCCT306

রোল : ৫১৩১১৮২১

নম্বর : ০০৮৮

রেজিস্ট্রেশন নম্বর : ০১০১৭৩ অফ : ২০১৮-২০১৯

<u> সিধো-কানহো-বিরসা-বিশ্ববিদ্যালয়</u>



নিস্তারিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগের শিক্ষার্থীদের ক্ষেত্রসমীক্ষা

वर्ष: २०२२-२७

পত্ৰ: ৩০৬

বিষয় : পুরুলিয়ার লোকসাহিত্যে ছড়ার শ্রেণীবিভাগ ও রূপতাত্বিক বিশ্লেষণ

সমীক্ষকের নাম : মৈত্রী কর্মকার অধিবর্ষ : তৃত্তীয় কোর্স কোর্স কোর্স কোর্স রেলি : MBENCCT306 রোল : ৫১৩১১৮২১ নম্বর : ০০৮৯ রেজিস্ট্রেশন নম্বর : ০১০১৯৩ অফ: ২০১৮-২০১৯

সিধো - কানহো - বিরসা বিশ্ববিদ্যালয়



পুরুলিয়া * পশ্চিমবঙ্গ

ক্ষেত্রসমীক্ষা

বিষয় - বৃহত্তর পুরুলিয়ার ভাষায় জনজীবন

নিস্তারিণী মহাবিদ্যালয়

মাতকোত্তর শ্রেণি

বাংলা বিভাগ

সমীক্ষকের নাম - মন্দিরা রজক রোল - ৫১৩১১৮২১ নং - ০০৯০ রেজিস্ট্রেশন নম্বর - ০১৬৫৬৩ অফ ২০১৮-২০১৯ অধিবর্ষ - তৃতীয় ২০২২-২০২৩ পত্র – ৩০৬

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগ

ক্ষেত্ৰসমীক্ষা

বর্ষ: ২০২২-২৩

পত্র : ৩০৬

<u>বিষয় : মানভূমের ধাঁধা ও প্রবাদে নারীমন ও তার রূপতাত্ত্বিক বিশ্লেষণ।</u>

সমীক্ষকের নাম : মৌসুমী মাহাত

অধিবর্ষ : তৃতীয়

কোর্স কোড : MBENCCT306

রোল : ৫১৩১১৮২১

নম্বর : ০০৯১

রেজিস্ট্রেশন নম্বর : ০১০২৩৬ অফ : ২০১৮-২০১৯

সিধো-কালহো-বিবৃসা বিশ্ববিদ্যালয়



<u> নিস্তাবিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগ</u>

ক্ষেত্রসমীক্ষা

वर्ष : २०२२-२७

93: 005

বিষয়: ব্ৰত, পাৰ্বণ, আচাৰ-অনুষ্ঠানে- মানভূমি শব্দমালা

সমীক্ষকের নাম : মৌসুমী রাজোয়াড়

অধিবর্ষ : তৃতীয়

রোল : ৫১৩১১৮২১

কোর্স কোড : MBENCCT306

नमूत : ००२२

রেজিস্ট্রেশন নম্বর : ০১০২৩৯ অফ : ২০১৮-২০১৯

সিধো-কানহো-বিরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগ

ক্ষেত্ৰসমীক্ষা

বর্ষ: ২০২২-২৩

পত্র : ৩০৬

বিষয় : ঝাড়খণ্ডী উপভাষার জানা-অজানা শব্দমালা

সমীক্ষকের নাম : নিবেদিতা মাহাতো

অধিবর্ষ : তৃতীয়

কোর্স কোড : MBENCCT306

রেল: ৫১৩১১৮২১

নগর: ০০৯৩

রেজিস্ট্রেশন নম্বর : ০১০২৬১ অফ : ২০১৮-২০১৯

নিস্তারিণী মহিলা মহাবিদ্যালয় ক্ষেত্রসমীক্ষক -নিপা বৈষ্ণব বর্ষ ২০২২ - ২০২৩ পত্র -৩০৬ (ক্ষেত্রসমীক্ষা) বিষয়-মানভূমের সরাক জনজীবন প্রচলিত লোকশব্দ কোর্স কোড -MBENCCT306 রেজিস্ট্রেশন-013043 of 2018 - 2019 রোল নম্বর - 51311821 NO- 0094 অধিবর্ষ - তৃতীয়

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়

RSHA



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীরদের ক্ষেত্রসমীক্ষা বর্ষ :- ২০২২ - ২০২৩

পত্র :- ৩০৬

বিষয় :- পশ্চিম পুরুলিয়ার বিভিন্ন জনজাতি ও তাদের বিবাহ গীতি

সমীক্ষকের নাম :- নিরুপমা বাউরী অধিবর্ষ :- তৃতীয় রোল:- ৫১৩১১৮২১ নম্বর :- ০০৯৫ কোস কোড :- MBENCCT306 রেজিস্ট্রেশন নম্বর :- ০১০২৬৬ वरु :- २०३४ - २०३३

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



<u>নিস্তারিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগ</u>

ক্ষেত্রসমীক্ষা

বর্ষ: ২০২২-২৩

পত্র : ৩০৬

বিষয় : মানভূমের লোকভাষা

সমীক্ষকের নাম : পূজা মন্ডল

অধিবর্ষ : তৃতীয়

কোর্স কোড : MBENCCT306

রোল : ৫১৩১১৮২১

নম্বর : ০০৯৮

রেজিস্ট্রেশন নম্বর : ০১০৩২২ অফ : ২০১৮-২০১৯

সিধো-কালহো-বিবসা বিশ্ববিদ্যালয়



<u> লিস্তাবিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগ</u> ক্ষেত্ৰসমীক্ষা

বর্ষ : ২০২২-২৩

99 : 005

বিষয়: বৃহত্তর পুরুলিয়ার লোকজীবলে ব্যবহৃত লৌকিক শব্দ

সমীষ্ণকের নাম : পূর্ণিমা মাহাত

অধিবর্ষ : তৃতীয়

101

কোর্স কোড : MBENCCT306

রোল : ৫১৩১১৮২১

রেজিস্ট্রেশন নম্বর : ০১০৩৩৫ অফ : ২০১৮-২০১৯

নম্বর : ০০১১

সিধো কানহো বীরসা বিশ্ববিদ্যালয়



নিস্তারিনী মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের ক্ষেত্র NISTARINI COLLEGE, PURULA সমীক্ষা

বর্ষ - ২০২২-২০২৩

20-006

বিষয় – পুরুলিয়ার লোকজীবলে ছড়া , ধাঁধা ও প্রবাদ সমীষ্ণকের নাম- পূর্ণিমা মাহাত অধিবর্ষ – তৃতীয়

বোল - ৫১৩১১৮২১ নম্বন - ০১০০

বেজিস্ট্রেশন নং - ০১৬০২৭ অফ ২০১৮-২০১৯



সিধো-কানহো-বিরসা বিশ্ববিদ্যালয় LANHO - BIRSHA LINU .OHOIS STD. 201 নিস্তারিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগ ক্ষেত্ৰসমীক্ষা वर्ष: २०२२-२७ পত্র : ৩০৬ বিষয় : পুরুলিয়ার বিয়ের গানে নারীজীবন ও লোকশব্দ সমীক্ষকের নাম : রীনা রাজোয়াড় অধিবর্ষ : তৃতীয় কোর্স কোড : MBENCCT306 রোল : ৫১৩১১৮২১ নম্বর : ০১০২ রেজিস্ট্রেশন নম্বর : ০১০৩৬৩ অফ : ২০১৮-২০১৯



নিস্তারিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগের ছাত্রীদের ক্ষেত্রসমীক্ষা

वर्ष : २०२२-२७

পত্ৰ:৩০৬

বিষয় :মানভূম লোকগানে সমাজভাবনা ও লোকশব্দের প্রয়োগ

সমীক্ষকের নাম :রিয়া মাহান্তী	
অধিবর্ষ তৃতীয়	
কোর্স কোন্ড -MBENCCT306	
রোল -৫১৩১১৮২১ নস্বর -০১	00
রেজিস্ট্রেশন নস্বর -০১০৩৭৮	অফ -২০১৮-২০১৯

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয় ক্ষেত্রসমীক্ষক -রিয়া মাজী বর্ষ ২০২২ - ২০২৩ পত্র -৩০৬ (ক্ষেত্রসমীক্ষা) বিষয়-মানভূমি বাংলা: জীবনে ও সৃষ্টিতে কোর্স কোড -MBENCCT306 রেজিস্ট্রেশন-013146 of 2018 - 2019 রোল নম্বর - 51311821 NO- 0104 অধিবর্ষ - তৃতীয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের ক্ষেত্রসমীক্ষা

ৰৰ্ষ : ২০২২-২৩

10 : 000

বিষয় : মানভূমের ব্রত-পার্বণ:প্রসঙ্গ লোকজীবন

সমীক্ষকের নাম : রুবি নাগ	
অধিবর্ষ : তৃতীয়	কোর্স-কোড : MBENCCT306
রোল : 51311821	নম্ব :0105
রেজিস্ট্রেশন নম্বর : 000308	অফ : 2018-19





ক্ষেত্রসমীক্ষক - রুপা বাউরী কার্য- ক্ষেত্রসমীক্ষা, পত্র-৩০৬ বর্ষ- ২০২২-২০২৩ মহাবিদ্যালয় - নিস্তারিণী মহাবিদ্যালয় বিশ্ববিদ্যালয় - সিধো-কানহো-বিরসা বিশ্ববিদ্যালয় কোর্স-কোড- MBENCCT 306 Registration No- ০১১৯৩৩ বর্ষ ২০১৮-১৯ Roll- ৫১২১১৮২১ - No ০১০৭

সিধু-কালহো-বিরসা বিশ্ববিদ্যালয়



পুরুলিয়া, পশ্চিমবঙ্গ

নিস্তারিনী মহাবিদ্যালয় বাংলা বিভাগ বর্ষ- ২০২২–২০২৩ অধিবর্ষ- তৃতীয় পত্র - ক্ষেত্রসমীস্কা (৩০৬) ষেয় – মানভমে প্রচলিত টম -ভাদ গাবে লোক জীবন ০ কলে

বিষয় – মানভূমে প্রচলিত টুসু -ভাদু গানে লোকজীবন ও লোকশব্দের প্রয়োগ

> সমীস্ককের নাম- সামসুন নাহার খাতুন বেজিস্ট্রেশন নং- ০১৪৭৮৪ অব্– ২০১৮–২০১৯ রোল- ৫১৩১১৮২১ নম্বর- ০১০৮



নিস্তারিণী মহিলা মহাবিদ্যালয়ের স্নাতকোত্তর বাংলা বিভাগ ক্ষেব্রসমীক্ষা

বর্ষ : ২০২২-২০২৩

পত্র : ৩০৬

বিষয় : মানভূমের লোকগান ও ছড়া

q	সমীক্ষকের নাম : সনিয়া খাতুন		
	অধিবর্ষ : তৃতীয়	কোর্স-কোড : MBENCCT 306	
	রোল:৫১৩১১৮২১	নশ্বর: ০১০৯	
	রেজিস্ট্রেশন নস্বর :০০৬১৭	৫ অফ:২০১৮-২০১৯	

সিধো কানহো বিরসা বিশ্ববিদ্যালয়

বর্ষ : ২০২২-২৩ পত্ৰ : ৩০৬

নাম : শ্রীতমা রায় চৌধুরী

অধিবর্ষ : তৃতীয়

কোর্স কোড : MBENCCT306

রোল : ৫১৩১১৮২১ নম্বর : ০১১০

রেজিস্টেশন নম্বর ০০৬১৯৩ অফ ২০১৮-১৯

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিস্তারিনী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের ক্ষেত্রসমীক্ষা বর্ষ :- ২০২২ পত্র :- ৩০৬

বিষয় : মানভূমের ছড়া : বিষয় বৈচিত্র্য ও লোকশব্দের প্রয়োগ

সমীক্ষকের নাম :- সুচিত্রা সিং

অধিবর্ষ :- তৃতীয় কোর্স কোড :- MBENCCT 306 রোল :- 51311821 নাম্বার :- 0111 রেজিস্ট্রেশন নাম্বার :-016597 সাল :- 2018-19

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহিলা মহাবিদ্যালয়ের বাংলা বিভাগের শিক্ষার্থীদের ক্ষেত্রসমীক্ষা

বর্ষ: ২০২২-২৩

পত্র: ৩০৬

বিষয়: মানভূমের লোকজীবন : প্রসঙ্গ বিয়ের গান

সমীক্ষকের নাম : সুজাতা গরাই

অধিবর্ষ : তৃতীয়

রোল: 51311821 নাম্বার: 0112

রেজিস্ট্রেশন নাম্বার: 009547 অফ: 2018-2019

কোর্স কোড: MBENCCT 306





PG1 2:

SIDHO KANHO BIRSHA UNIVERSITY

A Project submitted in partial fulfillment of The requirement for the Honors Degree of Bachelor of Computer Science

ONLINE EXAMINATION SYSTEM

Paper:-BSC-CC14 Year of Examination:-2022

Submitted by

Dipa Danguria Roll- No:- 118641 1913955

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Pretty Chakraborty Roll.No:- 118641 1914003

Shruti Chakraborty Roll No:- 118641 1914035 Soma Mahato Roll No:- 118641 1914040

Of

NISTARINI COLLEGE, PURULIA

SYNOPSIS OF THE PROJECT

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Online Exam System is an application that designed and developed for students and lecturers. The system helps students to take examination online. It helps also lecturers to upload the questions and answers in the database and they can see the students who fail or pass the exam.

The project is divided into two parts one containing the administrator part and other containing the user part

Administrators of this Online Exam System website can add question, modify question, delete question and generate certificate also.

Admin Module: Login form, add question, modify question, delete question. generate certificate.

In user part user can register himself/herself thorough a registration form. After that his/she will able to log in to the system and able to appear in the exam.

User Module: Registration form, Login form, exam form, result form.





This project "E. BLOODCELL" is a web-based system that can assists the information of blood bag during its handling in the blood bank. With this system, the user of this system can key in the result of blood test that has been conducted to each of the blood bag received by the blood bank. The result of the test will indicate whether the blood bag can be delivered to patient or not.

Recent ages in most of the cases there is a need of blood to the injured patients. But friends or relatives or hospital staff is not having the idea about how many blood banks are available nearby them? Where are they? What type of blood is available, what are the tests conducted on the blood sample? Type of this questions is not getting answer immediately. It will take so much time. This system is provided information about the blood banks, the type of blood available, how much quantity is there available in every blood bank will be maintained according. If the specific blood is not available in nearest blood bank it will provide the donors details.

NU N 2 -3 1

DEPARTMENTAL LIBRARY MANAGEMENT



Nistarini College Purulia (W.B.) NAAC Accredited. 'A' grade with CGPA 3.13



A Project Submitted in Partial Fulfillment of the requirement for the degree of B.Sc. in Department ->Computer Science

> Paper: - BCOSCCHS602 Year of Examination: - 2022

> > Session -> 2019-2022





- > SHREYA PARAMANIK (ROLL-118641 NO- 1914034)
- > NEHA MAJEE (ROLL-118641 NO-1913987)

(COMP.SC)

- > SUKANYA KONAR (ROLL-118641 NO-1914053)
- > BISHNUPRIYA KARMAKAR (ROLL- 118641 NO-1913950)



Synopsis of the Project

This project proposed a modified idea for online library management system. The purpose is to reduce physical effort and harassment rather by giving modularity and online facilities for the entire process.

* <u>Title</u>: Online Departmental Library Management System

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- Statement: The project provides an advent idea of online library management system.
- * Aims and Objectives: To provide an advantageous platform for online library management system.

* <u>Review</u>: The developed idea is proposed to review by all the concern dignified legacies.

ONLINE RENT HOUSE BOOKING

Chhoton Mahato [University Roll No. ||&641 1913952] Ankita Mardana [University Roll No. 118641 1913932] Priya Gorain [University Roll No. 118641 1914006] Soumi Bauri [University Roll No. 118641 1914042]

A Project presented in partial fulfillment for the Degree of Bachelor of science(Computer Science)



DEPAERTMENT OF COMPUTER SCIENCE NISTARINI COLLEGE ,PURULIA AFFILIATED TO SIDHU-KANHO-BIRSHA UNIVERSITY June 4, 2022





Sidho Kanho Birsha University

Online rent house booking is complete web portal for managing rent house business. It is a system designed specifically for medium and small rent house business. The online rent house system provides complete functionality of listing and booking room. The purpose is to reduce physical effort and harassment rather by giving modularity and online facilities for the entire process.

Owner:- This module is operated by the user who is the owner of the property and wants to give it for rent. The owner should register with an application that will be authourized by the client. The owner can upload room details, pictures, location, rent, etc. the owner can view the house and add a house from his module.

<u>Client</u>:-This module is operated by a client who is an admin to this application who will look after users registering with the application(owners and customers) and active and deactive them.

<u>Customer</u>:-This module is operated by a customer who needs to register with the application. A customer is a person who is looking for rent. The customer is activated by the client and customers can search based on specifications and get results about rent details.



ELD WORK / TERM PAPER / DISSERTATION

(ENVIRONMENTAL STUDIES) TOPIC: GLOBAL WARMING AND CLIMATE CHANGE





SKBU ROLL: SKBU NO.:

1194110

118151

REGISTRATION NO.: 009482 of 2019-20

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU) 2020

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E garer :-विश्वविषय करावर कार्य मधार कार्य हे कार्या कार्या कार्याय अन्त्राधार उड्यामन या श्राश्वीतर आर्थि नामत्वन आहन शिरन रजयाह (12) केंट्र ब्रेस् साल more त्युवेखाएन बढड व्यह राज राहाकाली क्रिंग त्याक राष्ट्रि । यहां क्रत्न मुख्तिन दिस्तान लहिंडाला दुम्हिर आर्ट्स । क्लीन ଓ औहा हाष्ट्रत आहित्वत्र राहेरह् । यान्ध्र गुरुरा द्वीगण्या ज्हालाति (र्यायन - स्झला, शतिवर रान), नाहिने प्रहालत जामहिद आहारा जन्म वाराग्र विद्यालिन कल गुरुहा जाहित जागाहत लहना तिहम देखापित खारा रहा हलाह कार्यन एम्हें राज्य भक्तिगवा या किन्न उप्रहायला राज्य आत्मक मार्जी :

• खिल्ही पुरुषाग्रेरणवे दाहत्या :- अष्टेर व्यक्षे विष्टियेलवे एक ति महाराजन मुख् क्रिनित आलाखा, जावलाहित किरिन्दलन खादा, वार्ग्रे अभ्यक्ष श्रिवित्तर जिन शर्टे आ प्राकर्ष्ट्र वला हरा प्रवर पत् कल भूथिवीए भए जलबावा दुम्हि लाख्याय उला था विश्व रेश्वायर

· अरुजखारा उला २०११, अविराख जिन शरें आग्राश्चलिन (002, N20, CH4, CFCs) who they save algorite sig and and tothe आजगारि किन्दी दुम्हाराम उत्य

विभाज स्टिग्रेट उष्ट्रेट खिल्हुन छेस्ट्रेटन आग 1°F (0.7'e) र्काह रलाखाइ । 2001 - 2010 मिस्प्रिय सावस्त्र यहन साल अन् यहा आई । यह उम्हान हफित करल श्रीवीरिक क्लीप्ल मित्र अ कार्टन अतियान कारा आग प्रवर् अतिवर्ट उम्ह मिलन अतियान रकि मधा म्यलखाभ जवर उरलखाशन उरबणाव अविद्यान विविहता स्वाल आगराउराउ भारतिष हमार हो हे मारहार हाए । किन्नु देखाग्रस याल जलवारी व व्यक्ति हो , रेड्रियाखव वर्षियाखव वर्षियम् हो, रावारं जाप्सल बाहि । विश्वराम जाएरेवे अविश्वान बीम

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REPORT

05

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES) TOPIC: HEAVY METALS IN SOIL AND IT'S EFFECT



SUBMITTED BY

 SKBU ROLL:
 118151

 SKBU NO.:
 2114894

 REGISTRATION NO.:
 012125 of 2021-22

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU)

2021

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FIELD WORK / TERM PAPER / DISSERTATION

ON

(ENVIRONMENTAL STUDIES) TOPIC: ENVIRONMENTAL MOVEMENTS



SUBMITTED BY

SKBU ROLL:

118151

SKBU NO .:

2114999

REGISTRATION NO.: 012230 of 2021-22

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU)

2021

attant outstand (Environmental movement मा प्रताक मुभन्द्र एक) राउत्याजा अ जाकून राधार जता कोछ ७ में। जिन तरि विश्व जात्मानन रतन । जनकी रत काला महिमा स्वतन जता राहरन जात्मालन रुषठ २४, स्वर्ण कृष्टि भेर अर्थन कार्यकर हा महत्वाल मर्गकर जेता होता हो कार्य में कार्य कार्य के किये कार्य के कार्य के कार्य क ति साम उ सीह प्रयतन निरुद्धि जास जिस्ते कि अवत इ. सत्त अधियोक सीयस जाखर जास जात्मा जत र, बल अधियोक जीवजज्ज्य बाह्य नाजागाना कार्यातन १७ २६० - भाषात कार्यात्म कार्यातन कार्य नामान १७ - स्टब्स् क्रिजी ७ जिल्यास्तिय जार्डा कार्यातन कार्य मूछ २०० र ता रिकालिय जिल्लामतिय अद्वि जाडी जार्ग ता राजा ता रिकालिय जिल्लामतिय जान्त्री जाडी जार्ग का राजा मा मिर्हार्य सिर्विहार्य जाइसाडार्य सिर्ण्य वार्व्यके भक्षेत्र रहे राज्य सार्व्यक प्राह्त सिर्ण्य सिर्ण्य सिर्ण्य सिर्ण्य सिर्ण्य सिर्ण्य सिर्ण्य सिर्ण्य सिर्ण्य सिर् म्मिल वर्ष त्याहा जानूम जर्ग जिल्हा हार्य के कि मामल प्रथा नजार जाता के लिया - 1873 उगाल - 1 20 - आल लडाह सिंगलाम २६४ जतार खुछी रूप । न्दर्वजेकाल लिशामुव ्र हराकाला एउग्राने दूर आट मेखाडू हरालामगढ़ प्रान्ते प्रान्ते प्रान्ते प्रान्ते प्रान्ते प्रान्ते प्रान्ते प्रान water जाल State 216822 लनुत 1880 692 X 1891 572 প্লাস(जा 1909 592 Total 1311 m, amby 1 1930 60 रहाताया, (बन जिलहार्भन्या 1948 20 नरत 1952 4000 निडेइंगक 1953 200 त्तनुन 1956 1000 20 1962 750 प्रिल् श्रे स्ट्रेस्ट्र प्रमुख्य 1963 200-400 A 168 1966 Scanned by Scanner Go



ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES) TOPIC: SOIL POLLUTANTS



SUBMITTED BY

 SKBU ROLL:
 118151

 SKBU NO.:
 2115104

 REGISTRATION NO.:
 012335 of 2021-22

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU)

2021

10.1 form: - (Introduction)

क्लामगुन्द अगिल हे लादात रेकन देलादात - 'किंद्रणांग' ज्वल प्रमा - मार्ग् इस (भारत मुसिका इगहिए इम) आहिका व व वाता भाष काल - माभून आदिताला भारत कहन कति अधिका ना तेलाआवादन न तेलुका तेल्लाम अन्नतिनाला भारतकात शुम्दि लाहाओ दकविद्वार आहत्म संग्रामन तेलाता कारत सालिकर भारत शुम्दि लाहाओ दकविद्वार आहत्म संग्रामन तेलाता कारती सालिकर भारत शुम्दि लागाता का आहत as Higgs I and Higgs all standing within a marshes אוליאיז ארוריין אוליאיז איזאייין אראייין און איזאיין אראיין און איז The size as white the stand the stand of the series , are; THEN, WITTO ANOTA STATI PARTO 255, TRAINO Tight (wants - Comprise worfsers sigters , sound theory मान्स्त अलिका भारतत ' वर्त्त विश्वासा मनुव अभिग्राह असित्ता मान्स्ट्रिव मान्स्त्रामा भारतात्व किर्मिस्ट्र कार्य । स्विकस्त् मान्स्ट्रिव मान्स्त्रामा भारतात्व किर्मिस्ट्र and and the have child all all a such als i concered and i want of the second such all all and the area and i want of the second such all and the area and all and the second such all all and all and all and and and and and and a such - TON & CALLAR & PARTE PROPERTY CALLAR PARTE OFAI

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os FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES) TOPIC: WATER BORNE DISEASES



SUBMITTED BY

SKBU ROLL:

118151

SKBU NO.: 2115209

REGISTRATION NO.: 012440 of 2021-22

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU)

2021



FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES) TOPIC: ENVIRONMENT AND HUMAN HEALTH



SUBMITTED BY

SKBU ROLL:

118151

SKBU NO .:

2115316

REGISTRATION NO.: 012547 of 2021-22

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU)

2021

6) किंग्रेडीनिक (Toxic Diseases) जात्म विचित्र (क्रिंग्रेड कोर्ट्स्ट्रेड कार्य्या : मीमालावन एम्स्टि, प्राप्तायार, कार्यादी, जायाद्वार्या, तार्याया, नार्याया, नार्याया, नार्याया, नार्याया, नार्याया, भनिति, सि. २, अरेट, रेजामि अनुसामन (गण) जीमात हाकि माता, यह लहीका गांत. रात्र लग्नाहि द्र गांत मंग्रहा में स्क्रीए काम, रेप्ट रेपर हाज रेजाए। जनामरी हाम, रेपर रेपर हाज रेजाए। c) Grenzistando (ansi (Deficiency Diseases) जल मार्शकात्मिक रा मार्शका. सहिलाम्बलन् मन्दा मा रेठ सालाख दिनानगर तन्त्र आतन्त्र दालाह वाला र्मि रम, सुरुरादेएं जाखा 0.05 ppm. जह रुद्ध रल मेराल महास्वत होहाह. माहीत होपाद ह स्प्राह हो and the trate the happing (tentime) by or the pro मित्रा होती संहार मिन्न । हमाः आयादिनिव भवारम अन्यमुन्त या अन्युम्बि कार्यमें (endemie goiters)

ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES) TOPIC: WATER BORNE DISEASES



SUBMITTED BY

SKBU ROLL:

118252

SKBU NO.:

2035860

REGISTRATION NO.: 010685 of 2020-21

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU)

2022

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ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES) TOPIC: GLOBAL WARMING AND IT'S IMPACT



SUBMITTED BY

SKBU ROLL:

118252

SKBU NO .:

2137219

REGISTRATION NO.: 012827 of 2021-22

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU)

2022

Page-1

स्वह्मान्नर्भ सिहित्य प्रार्थिता।

Parties !!

আছি ন্যায় ক্যায়ামত দ্বামান মান দেৱাৰ প্ৰথমি মান্তৰ মান্তৰ দিন্দ্ৰ দিন্দ্ দিন্দ্ৰ দ

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- रिभेर उँछाप्रन

ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES) TOPIC: IMPORTANCE OF BIODIVERSITY



SUBMITTED BY

SKBU ROLL:

SKBU NO .:

118252

2137401

REGISTRATION NO.: 013009 of 2021-22

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU)

2022

Flataner 23 23 (Impositance of Biodiversity) क्रिकाः निर्णा व्हार्ग्स ह ज्यल हाल के का हिल्ली के किल्ली क कार कोखर उहारे लिहालन कोरेमल उ वाकार्यना राज्य राज्य कार्युका के कार्युका कार्य leyor a réalt autres soire survers argues alitates मुने हाल हार्ग्रिंग तिलाभे रिकितम्या जिन्द्रमात लावे दिला जावे किन्द्र भूमे हाल हार्ग्रिंग तिलाभे रिकितम्या जिन्द्रमात लावे दिला जावे किन्द्र हिंगाइ रेला हो हैं है कार्य हैंडिल एवराइ हैविसाइ हैंडोर्ड्स हो कार्या है कार्या है कार्या है कार्या है कार्या कार्या है कार्या कार्य कार्या क गिला आतरम्ह रंग्रांत पाता रंग्र लाविर्ड तार जार जार जार -8.दिग्र हरा - हारिहाळ्डेह है ग्राहमह ' ख्याहोहील 9 इत्र व्य स्विह जिन्द्र होतार हाहा हो। हार गहत हिराज उत्तर हाहाल तहा लय जावता कि जातित्र देखात रायात्र 1073 को एत वायावता म कोखिर राजी के जिल्ली के वारिया हि वार्गिय हिंदा है। भिविधिय व्याग्राहमः स्रीर्श्वास्पारा खर्मति जितलात्र हात्र रुव 2731 -জনিন্নত অব্যাতিনত বাদ্বতানিক गज्युधानिक कीर्वाहिपाः ट्राला निर्मिष्ट जिप्हल किंग्रामान किंध रहारत- 3 अधिकासत सिहितरक अल्हेलाये कार्याहरास ह - 0,122 हो मेरे शिहन अपश्चल शिहन देगतर जलराइ उखाइटिस महाराजा आज भान । जाणुराहि राष्ट्रायन तिखार शिक्यार भानु ७ शिहनामर मोरजामर



ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES) TOPIC: NOISE POLLUTION AND IT'S IMPACT



SUBMITTED BY SKBU ROLL: 118252

SKBU NO .:

2137593

REGISTRATION NO.: 013201 of 2021-22

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU)

2022

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adote also Rials SGL oulda! वाकी मेचलिव रुपावेल.---म भागवाशन हलाकाला कार्य मुखत (i) usunder अहिरावतात्र ति गान 2 मा. - (अहिराह) - आतर्गशतं याड़ाइ नाक भूमत , आड़ीव आजि काड़(m नाव) म्यापव नार्व्साग रवनी २२ , डिपिल देख्डिनहालान खावी लावी जगाध्य-राव्सी नाक भूमत भूमि कार्व्, अड्राडाइ आड़ीव- यावर्ट (भ्यारं २त या बिग्रेड हा लिए इसन् (अ लिग्रिड- गुराइग्रं- डीयल-टार्ट माभ ह्यान अन्ति कार्य (i) तिमान कार्क्यिम जाति कार्य भूमन :- न्यमान उक्ताक आग्रे का लामवाय स्राभ जातासि पित केलिह पित लाहजे का में हेयल क्रे, याक्सलाव

कापि कार्यिये कि में कि प्राह्त का के कि कि का के कि के कि गम रेमत - जाक रेमत रात्मार आयेत या किराया त्यामार क्य विश्वास लिखिसकारी विगतन जाम समित कार्यता खावतज्य हि अधियाज रेत्रां अम्हीतपादि विकार्ग ने मापमें देव्याह केने सापम भाषांगता २० - २०,००० राखंग कान कान कान कान कान नाम ता, अर्द्र सार्यालर कर्त्र ज्या प्रयत (प्राकृष्ट (यह सीमारं स्थिदि

(भागामा कार्य्यात् कार्य्यात् देहाराष्ट्राय कार्यात् होगासाम्) भागित होता होता के कार्याय कार्याय कार्याय होगाय भागित होता होता कार्याय कार्याय कार्याय होगाय भागित कार्य्याय कार्याय कार्याय कार्याय कार्याय भागित कार्य्याय कार्याय कार्याय कार्याय भागित कार्य्याय कार्याय कार्याय कार्याय भागित कार्य्याय कार्याय कार्य कार्याय कार्याय कार्याय कार्य कार्याय कार्य कार्य कार्य कार्य कार्य कार्य कार्याय कार्य कार्य

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काभ द्वितां कि स्ततेन कात्म्यन किलन

ON

FIELD WORK / TERM PAPER / DISSERTATION

(ENVIRONMENTAL STUDIES)

TOPIC: ARSENIC POLLUTION IN GROUNDWATER



SUBMITTED BY

SKBU ROLL:	118252 I
SKBU NO.:	2137776
REGISTRATION NO.:	013384 of 2021-22

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU) 2022

Subject / Important Note :

VINAYAK

Assenic pollation in groundwater.

Page No. : 1 Date Expt. No. :

Groundwater is considered as one of the invaluable resources of our world because we use this ground water as the only transparent source of drinking water. As a result of population growth and the invention of the modern pumping systems people are easily extracting large amounts of ground water. As a result, the toxic compounds in the rock react with the ansenic oxygen to from a kind of dissolved Substance which subsequently mereases with the elevation of the ground water table and easily mixes with the water causing ansenac contamination of the water. That contaminated of the water. that contaminated water, as a beverge, is being used for impigation purposes cousing poisoning by enterning the human body through beverges and crops. the couses of ansenic contamination and the hermful effects of orsenic contamination crops. the age discussed in detail here. what is agsenic contamination.

Arsense is one of the constituents of the eart. crust agsenic is not found in noture as a free element. ausenic combines mainty with orgen chlopine and sulton to troom oxides sultides, hydrides and agsenate inonganic

ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES) TOPIC: CHIPKO MOVEMENT



SUBMITTED BY

SKBU ROLL:

SKBU NO .:

118252

2137969

REGISTRATION NO.: 013577 of 2021-22

SIDHO-KANHO-BIRSHA UNIVERSITY (SKBU)

2022

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BIOTECHNOLOGYAND PLANT BREEDING



NAME- AISHEE GORAI DEPARTMENT- BOTANY COLLEGE ROLL- 02 REGISTRATION- 009296 OF 2019-2020 SEMESTER- 5TH ROLL- 118541 NO- 1913925

ABSTRACT

Genetic improvement of crop plants will be the most viable approach to increasing food production in the future. Biotechnology can be involved at different stages of the breeding process. In general, biotechnology can be classified as cell and tissue cultures and molecular techniques. For more than 20 years, tissue culture techniques have been used for in vitro propagation of elite material to accelerate the breeding process. Healthy plant material also can be provided by tissue culture, e.g., vims-free potatoes. Supplying farmers in developing countries with tissue culture-propagated plant material has helped to increase yields and to protect the environment by avoiding the application of toxic agrochemicals.

The application of modern

Biotechnology to plant breeding is considered the more efficient and quicker than conventional breeding techniques in the development of new and more resilient crop varieties.

KEY WORDS

Biotechnology, genetics, tissue culture, invitro propagation .

INTRODUCTION

In the frame of this paper, "biotechnology" is considered in its broad sense, i.e. the use of biological processes for the improvement of the characteristics of plants. Plant biotechnology is a powerful tool for the development of new plant traits and varieties. Such new varieties must be produced on a large

BIOTECHNOLOGYAND PLANT BREEDING



NAME- BARSHA KAR DEPARTMENT- BOTANY COLLEGE ROLL- 35 REGISTRATION- 009318OF 2019-2020 SEMESTER- 5th ROLL- 118541 NO- 1913947

BIOTECHNOLOGY AND PLANT BREEDING



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NISTARINI COLLEGE, PURULIA



DEPARTMENT OF BOTANY

PROJECT ON

FOOD SECURITY AND PLANT BREEDING



SUBMITTED BY- ANURADHA MAHATA

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- > DSE Ref Code.- BBOTDSHT3
- > Academic Year- 2021
- > Academic Session- 2019-2022

UNDER THE GUIDENCE OF- LAKSHMISHREE HALDER

ABSTRACT :-

Farmers around the world have recently experienced significant crop losses due to severe heat and drought. Such extreme weather events and the need to feed a rapidly growing population have raised concerns for global food security. With an expected 9 billion people by 2050 and average income on the rise in the developing world, meeting future food demand will be a challenge. Climate change, urbanization and land degradation are putting further pressure on the food supply. The multifaceted and self-reinforcing nature of these challenges calls for a fundamental transformation of the food system. In the past, crop improvement through breeding has been the major tool to lift people out of poverty and increase global food supply. To adequately address these food security challenges, new improved crop varieties need to be developed through plant breeding.Here we discuss basic principles and features of crop breeding and how modern technologies could efficiently be explored to boost crop improvement in the face of increasingly challenging production conditions.

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DEPARTMENT OF BOTANY

PROJECT ON

FOOD SECURITY AND PLANT BREEDING



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UNDER THE GUIDENCE OF- LAKSHMISHREE HALDER

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Page no-



DEPARTMENT OF BOTANY

PROJECT ON

FOOD SECURITY AND PLANT BREEDING



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- > Academic Session- 2019-2022

UNDER THE GUIDENCE OF- LAKSHMISHREE HALDER

* project * Role of plant breeding in organic agriculture Includes Name-Padonabati Kaibanta _ROII_NO-99 Subject - Plant breeding Department-Botan Academic year - 2021 - 2022 University registration number - 009363 0 2019-2020

Abstract :-The mole of both progenic (OF) and conventional (CF) forming memains open to debate paralleularry when related to topol security and climate, Torrogeting plant breeding for of an committee to meduce the yield gaps vis-a-vis CF. currently, the cultivens, produced ton CF one also used in OF, however, It is unnearbable that all lines bred for CF will always perform well in OF. Nonetheless, plant breeding goals and CF coven age at aiming for hight productivity , hast plant melistome on tolenance to biofic and abiofic factors and high mesource - use afficiency. Like wise onduse quality and local adaptation may be more important for OF as the mesourace may ling and quality at the imputs that ance used very form region to region, even though OF proclices - ane highly requilated. This raphicle provides an eveniew on origenic plant breeding (OPB) with a penspective from conventional plant breeding, highlights the main trouble, their sounce of variation and what nethods and tools are available for their broceding. It concludes usting sume magaric emop brading achievements and providing on allock on what needs to be done for OPB.

- PROJECT-ROLE OF PLANT BREEDING IN ORGANIC AGRICULTURE

NAME = MADHUMITA MAJHI CLG. ROLL = JJ $SEM = 5^{H} SEM$ SUBJECT = PLANT BREEDING DEPARTMENT = BOTANJ ACADEMIC JEAR = 2021 - 2022 REG. NO = 009345 of 2019 - 2020UNI. ROLL = J18541 NO- 1913974 Nome courge Rollino - 95 subject - plant breecling Depandment - Butany Reg. NO - 009360 of 2019-2020 10

ROLE OF PLANT BREEDING IN ORGANIC AGRICULTURE NAME: Annesha Bhattacharya.

HONOURS : Botany

SEMESTER : 5th

COLLEGE ROLL: 14

REGISTRATION NO:

SUBJECT : PROJECT (Induce mutation and distance hybridization in crop improvement)

YPES AND EXAMPLE

COLLEGE : Nistarini college, Purulia .

PREFACE

Continued increase in the world population especially in the income deficit nations coupled with environmental changes and increase in demand for agricultural produce, so difference type techniques or methods are apply for crop improvement like -- Hybridization, Plant Introduction ,Selection,Mutation Breeding, Polyploidy, Hybridization .

INTRODUCTION

All are essential methods for plant breeding or plant improvement but we discuss about two methods as our topic of project, distance hybridization and induce mutation, both play a important role for plant improvement. Distant hybridization refers to **crosses between two different species, genera, or higher-ranking taxa**, which can break species limits, increase genetic variation, and combine the biological characteristics of existing species.

Artificially induce hereditary changes in plants, either physical or chemical agents are used. Ionizing radiation is a widely used physical agent to treat the seeds and other plant material of crops called induce mutation. induced mutation and distance hybridization are used worldwide: rice in Vietnam, Thailand, China and the United States; durum wheat in Italy and Bulgaria; barley in Peru and European nations; soybean in Vietnam and China; wheat in China; as well as leguminous food crops in india.

WHAT IS INDUCE MUTATION IN CROP IMPROVEMENT:

Induced mutations are considered as an **alternative to naturally occurring variation as the source** of germ plasm for plant improvement programmes, and as an alternative to hybridization and recombination in plant breeding.

CASUES OF INDUCE MUTATION :

A mutation caused by an environmental factor, or mutagen, is known as an induced mutation. Typical mutagens include chemicals, **like those inhaled while smoking**, and radiation, such as X-rays, ultraviolet light, and nuclear radiation.

EXAMPLES OF INDUCE MUTATION IN CROP IMPROVEMENT

1. Use of X ray radiation :

wheat (Triticum aestivum) flour samples of two varieties (Panjab var.: hard wheat and Sharbati var.: soft wheat) were irradiated with ultraviolet (UV-C, 254 nm) radiation .
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REGISTRATION NO: 009316 of 2019-2020

SUBJECT : PROJECT (Induce mutation and distance hybridization in crop improvement)

COLLEGE : Nistarini college, Purulia .

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HONOURS : Botany

SEMESTER : 5th

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REGISTRATION NO:

SUBJECT : PROJECT (Induce mutation and distance hybridization in crop improvement)

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COLLEGE : Nistarini college, Purulia .

NAME: MOUMITA CHAKRABORTY SEMESTER : 5th SEMESTER COLLEGE ROLL: 84 UNIVERSITY ROLL:118541 NO: 1913980 REGISTRATION NO:3172325106 SUBJECT: PLANT BREEDING PROJECT NAME: DISTANT HYBRIDIZATION ; a necessity of plant breeding DATE OF SUBMISSION: 21/12/2021



INTRODUCTION.

Crossing between two different species of the same genus or two different genera of the same family is called <u>distant hybridization</u> and such crosses are referred to as <u>distant crosses or wide crosses</u>. Wide crossing or distant hybridization has been used in the genetic improvement of some crop plants. It is an effective means of transferring desirable genes into cultivated plants from related species and genera. <u>Distant crosses are more</u> successful in more closely related species or genera than in less closely related species or genera.

the parents used in hybridization are generally different varieties of The same species. In such cases, hybridization and the production of subsequent generations does not present any problem, except for selfincompatibility and male sterility systems, and hybrid necrosis and chlorosis. But in some situations, it may be desirable, or even necessary, to cross individuals belonging to two different species or genera; this type of hybridization is known as <u>interspecific hybridization</u> or distant hybridization, and such crosses are known as distant crosses or wide crosses. When the individuals being crossed belong to species from two different genera, it is sometimes called intergeneric hybridization.



Somatic Hybridization

PLANT BREEDING EXPLOIDS BIODIVERSITY

Name - Saraswati Mahato Uni-Roll - J18151 No 1914027 College Roll - 149 Department - Botany Subject - plant Breeding Academic year - 3rd year Uni - reg - No - 009398 of 2019 - 20 Academic Session - 2019 - 2020

Abstract :- This paper deals with changed in biodiver - sity during the course of evolution, plant domestication and plant breeding. It shows than man had a strong influence on the progressive decre -ase of biodivensity, unconscious at first and deliberate in modern times. The dezrease in biodivensity in the agriculture of the North Causes a sevene threat to food security and is in constrasts with the conservation of biodi -vensity which is part of the culture of several populations in the South. The concluding section of the paper shows that man chould have guided evolution. In a different way an shows an example of participatony plant breeding a type of breeding which is done in collabo - ration with formers and is based on selection for specific adaptation. Even though participatory plant breeding has been practiced only about 20 years and by relatively few groups, the effects on both biodivensity and crop production one impressive. Eventually the paper shows how participatory plant breeding can be develop in to 'evolutionary plant breeding' to cope in a dyanamic way with climate changes.

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Keywonds :- porticipatony plant breeding, Agnobiodivensity, agnicultural research, limate change.

Hyper Sensitive Reaction A Protective Mechanism Against Biotic Stress

NAME	: AISHEE GORAI
SEMESTER	: 6 th
ROLLNO.	: 118641 1913925
COLLEGE ROLL	: 02
REG.NO.	: 009296 of 2019-2020
SUBJECT	: STRESS BIOLOGY



Abstract

This review is a recent update in the understanding of the hypersensitive response(HR) of plants with special consideration to the physiological and biochemical determinants in different model systems. Hypersensitive response is reviewed as a form of programmed cell death (PCD) representing one of the mechanisms of plant defence against diseases. Major signalling pathways and molecules that accompany the HR, such as proteolytic cascades, oxidative events and ethylene that are supposed to play a key role in the plant's cell death machinery are discussed. Special attention is paid to the HR in fruit species. Studies on plant PCD are shown to provide a clue to better understanding disease resistance processes in plants and to establish the evolutionary aspects of PCD similarities through animal and plant kingdoms.

Key words: fruit plants, hypersensitive response, programmed cell death.

Project Work

NAME	: AMISHA MUKHERJEE
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ROLL NO.	: 118641 1913927
COLLEGE ROLL	: 06
REG. NO.	: 009298 of 2019-2020
SUBJECT	: STRESS BIOLOGY



<u>Hyper Sensitive Reaction A</u> <u>Protective Mechanism Against</u> <u>Biotic Stress</u>

NAME	: BARSHA KAR	
SEMESTER	: 6 th	
ROLLNO.	: 118641 1913947	
COLLEGE ROLL	: 35	
REG. NO.	: 009318 of 2019-2020	
SUBJECT	: STRESS BIOLOGY	





DEPARTMENT OF BOTANY PROJECT ON-'PHYSIOLOGICAL MECHANISMS' OF PLANTS AGAINST DIFFERENT ABIOTIC STRESSES



SUBMITTED BY- ANURADHA MAHATA

- ◆ B.SC(HONS), 6thSEM
- ♦ ROLL NO.- 17

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- UNIVERSITY ROLL 118641 NO.- 1913934
- ◆ REGISTRATION NO.- 009305 of 2019-2020
- ♦ ACADEMIC YEAR- 2022
- ♦ ACADEMIC SESSION- 2021- 2022

UNDER THE GUIDENCE OF- LAKSHMISHREE HALDER

><u>ABSTRACT:</u>

In this ever changing world, mobile organisms have a special advantage to move from one place to another as they desire, to avoid an uncomfortable environment to a comfortable zone.

But for the immobile plants, they born and live their whole life span sticking to a particular place. They also face numerous unfavourable environmental (abiotic and biotic stresses) changes which are a thread to their life and for the survival of those condition, plants have developed different mechanisms to overcome all those stresses.

During stress condition sometimes plants change their morphological, physiological and molecular state for a short period of time to tolerate stress period and after the release of the stress they back to the normal state or a long term permanent adjustment to a changing environment.

KEY WORDS:

<u>Acclimatization</u> <u>Adaptation</u> <u>Ephemeral</u> <u>Susceptible</u> <u>Hardening</u> <u>Phenotypic plasticity</u> <u>Canopy</u> <u>Pneumatophores</u> <u>CAM (Crassulacean Acid Metabolism)</u>



DEPARTMENT OF BOTANY PROJECT ON-'PHYSIOLOGICAL MECHANISMS' OF PLANTS AGAINST DIFFERENT ABIOTIC STRESSES



SUBMITTED BY- NIKHITA DEY

- ◆ B.SC(HONS), 6thSEM
- ROLL NO.- 96
- UNIVERSITY ROLL 118641 NO.- 1913990
- ◆ REGISTRATION NO.- 009361 of 2019-2020
- ♦ ACADEMIC YEAR- 2022
- ♦ ACADEMIC SESSION- 2021- 2022

UNDER THE GUIDENCE OF- LAKSHMISHREE HALDER



DEPARTMENT OF BOTANY PROJECT ON-'PHYSIOLOGICAL MECHANISMS' OF PLANTS AGAINST DIFFERENT ABIOTIC STRESSES



SUBMITTED BY- PRABHATI MAHATO

- ♦ B.SC(HONS), 6thSEM
- ♦ ROLL NO.- 110

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- UNIVERSITY ROLL 118641 NO.- 1913999
- REGISTRATION NO.- 009370 of 2019-2020
- ♦ ACADEMIC YEAR- 2022
- ♦ ACADEMIC SESSION- 2021- 2022

UNDER THE GUIDENCE OF- LAKSHMISHREE HALDER

COLLEGE NISTARINI Adaptation 01 in rice plants relation to high Haten storess. Name - Padmabati Kaibarta Roll_NO-99 Subject - Stress Biology Department-Botany Academic year-2021-2022 University registration number -009363 0- 2019-2020 -----

Abstract Innigation is the most important factor which -affects the productivity of the croop up to a grocal ortent. The mainfall is unexen and ermadic, aftern too waters supply 13 madequate for "migation. Bo problems of moeting crop water requirements arise. When water supply is less tecom the crop water mequimements, the field of crop gets affect ed. To manage notrigation white crented water Bupply, "It is estential to yield metponse to cimited water supply on various crops have to be conducted. A case study done by water stress was "imposed two varieties namely ADT-36, a short-term variety and SONAM, a medium term variety were tried for the aperimental study, soil mosture depletion of 60% and 40%. -of field capacity were considered for expensionentation. The study showed-had the yith was affected due to waters streeting. How ever yield beduction was 645 93 401. Shoess treatment Compared to BOII. Streps treatment in various stages. Again,

Companed to 601. Strep treatment in the meduction in the a Schuling of field obtained shows more field neduction in the stages as treatmond given in paricle holitation and flowering stages teach in fillering stage when compared with me shoeld conditeach in fillering stage when compared with me shoeld condition. Therefore, reproductive phase was more croitical taxon two vegebolive phase. It again shows that boliser the two vathes vegebolive phase. It again shows that boliser the two vathes segebolive phase. It again shows the boliser the two vaniethes ADT-36 was boller to water streets toreatments. The study has shown take the field meduction was less when you. Stress theateness was impased in fillering stage only. 99099999999999999999999999999999999999

ADAPTATION OF RICE PLANTS IN RELATION TO HIGH WATER STRESS 0

NAME - Madhumita Majhi

ROLL NO. - 71 SUBJECT - Stress Biology DEPARTMENT - BOTANY MADEMIC YEAR - 2021 - 2022 UNIVERSITY REGISTRATION NO. - 009345 OF 2019-2020 MAME NIBEDITA GORAI Roll NO. 95 SUBJECT STRESS BIOLOGY DEPARTMENT - BOTANY ACADEMIC YEAR - 2021 - 22 UNIVERSITY REGISTRATION NO. - 009360 of 2019 - 20 Name - Annesha Bhattacharya 6th semester Roll no. - 14 subject-botany reg. no.- 00034 0f 2019 - 2020 project topic Adaptiblity of wheat variety against drought stress

Abstract

Drought is one of the most important phenomena which limit crops' production and yield. Crops demonstrate various morphological, physiological, biochemical, and molecular responses to tackle drought stress. Plants' vegetative and reproductive stages are intensively influenced by drought stress.

Name - Banaspee Backey Roll - 31 Registeration no. - 009316 of 2019-2020 University Roll -

STRESS BIOLOGY

TOPIC: SALINITY STRESS TOLERANCE

OF RICE

Abstract: Rice(Oryza sativa L.) is an important staple crop that feeds more than one half of the world's population and is the model system for monocotyledonous plants. However, rice is very sensitive to salinity and is the most salt sensitive cereal crop with a threshold of 3 dSm-1for most cultivated varieties. Despite many attempts using different strategies to improve salinity tolerance in rice, the achievements so far are quite modest. This review aims to discuss challenges that hinder the improvement of salinity stress tolerance in rice as well as potential opportunities for enhancing salinity stress tolerance in this important crop.

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Stress Biology Project Topic **Production of PR proteins: an** essentially to overcome biotic stress

Name - Sudrisha Das Roll no - 183 Subject - Stress Biology Botany hons

Semester - 6th sem

Regino - 009422 of 2019 - 2020

Production of PR proteins : An essentiality to overcome biotic

stress :

Introduction

Pathogenesis-related (PR) proteins are proteins produced in plants in the event of a pathogen attack. They are induced as part of systemic acquired resistance. Infections activate genes that produce PR proteins. Some of these proteins are antimicrobial, attacking molecules in the cell wall of a bacterium or fungus. Others may function as signals that spread "news" of the infection to nearby cells. Infections also stimulate the cross-linking of molecules in the cell wall and the deposition of lignin, responses that set up a local barricade that slows spread of the pathogen to other parts of the plant. Salicylic acid plays a role in the resistance to pathogens by inducing the production of pathogenesis related proteins.



PROJECT NAME :-HYPERSENSITIVE REACTION IN SPECIAL REFERENCE TO OVERCOME BIOTIOC STRESS

NAME	:- RINKI DAS	
Care on the construction and construction	the second s	

- ROLE :- 133
- REG.NO :- 00386 2019-20

SESSION :- 2019-22

SUBJECT: Stress Biology

DEPARMENT :- BOTANY

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SABSTRACT :=>

with the centenarry of the first descriptions of "hypers sensitiveness following pathogenic challange upon us, it is appropriate to assess own curronent understanding of the hypersensitive nesponse (HR) from of cell death. In recent decades our understanding of the Initiation. associated signa-Miny, and some Imponations proteolytic. events linked to the HA has dramatically increased. trenetic approaches and increasingly elucidating the function of the HR initialing mesistance genes and there have been extensive analyses of death - associated signals, calcium, reactive oxygen species (Ros), nitroic oxide, salicylic acid and now sphingolipids. This preview will highlight that & although own knowledge of parats of the HR is excellent, a comprehensive molecular model is still to be autained.

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Summary:

The report has been prepared to focus on the impact of tourism on socio-economic status of Nanduara Village in Raghunathpur-1 Block of Purulia Sistrict. The report has been analysed and made based on the secondary data sources i.e. from census report, published articles, the internet etc. Demographic analysis has revealed that the sex ratio is relatively lower than the districts profile and literacy rate also low. However, the level of education among the individuals have not been analysed due to lack of data which suggest a primary field survey is required to collect specific educational data. Analysis of economic aspects of the households has exposed that share of marginal workers is high than the main workers which indicates dependency on tourism sectors. Study of household infrastructure and basic services has shown various aspects that need coreful provision of administration such as drinking water sector, health sector, education sector etc. As concluding remarks it can be said attratutesing a village from one of the backward oreas of the purulia district, which is well known

and renowned for the lowiest place named by "Joychandi Pahar". The transport communication, both state Highway (SH) and railway connection helps to visit the tourist and other visitors for its attractiveness, research purpose and kinds of ortifacts. Therefore, it can be suggested that the government initiative and planning, tourism development authority, NGO's to be helpful further improvement of Ecotourism and Sustainable Tourism through the improvement of basic infrastructure, services and economy to some extend to grip the village fame and sustainable development.



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NO. 1914169 Registration No. 009540 of the year 2019 – 2020 for partial fulfillment of the syllabus of B. A/B.Sc.
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> But 201742 Signature of the concerned teacher



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Papia Das Roll <u>418551</u>
NO. <u>1914336</u> Registration No. <u>009708</u> of the year
<u>2019 – 2020</u> for partial fulfillment of the syllabus of B. A/B.Sc.
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NO. 1914424
Registration No. 009796
of the year 2019 - 2020
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Rinku MandalRinku MandalRoll 418664NO. 1944430Registration No. 009802of the year20for partial fulfillment of the syllabus of B. A/B.Sc.Sem.-V geography honours, 2021 under SIDHO- KANHO-BIRSHAUNIVERSITY, PURULIA and is a record of bona fide work carried out by
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Both 20/12/21 Signature of the concerned teacher



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This is to certify that the Field Report entitled "IMPACT OF TOURISM ON THE SOCIO-ECONOMIC STATUS OF NANDUARA VILLAGE, RAGHUNATHPUR – 1 BLOCK, PURULIA." that is being submitted by Soumita Sen Registration No. 009907 of the year 2019–2020 for partial fulfillment of the syllabus of B. A/B.Sc. Sem.-V geography honours, 2021 under SIDHO- KANHO-BIRSHA UNIVERSITY, PURULIA and is a record of bona fide work carried out by the student under my supervision.

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Ref. No.____

Date:

TO WHOM IT MAY CONCERN

This is to certify that the Field Report entitled "IMPACT OF TOURISM ON THE SOCIO-ECONOMIC STATUS OF NANDUARA VILLAGE, RAGHUNATHPUR – 1 BLOCK, PURULIA." that is being submitted by Suchida Sagndar. Roll. 118551 NO. 1914547. Registration No. 009919 of the year 2019–2020. for partial fulfillment of the syllabus of B. A/B.Sc. Sem.-V geography honours, 2021 under SIDHO- KANHO-BIRSHA UNIVERSITY, PURULIA and is a record of bona fide work carried out by the student under my supervision.

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Ref. No.

Date:

TO WHOM IT MAY CONCERN

This is to certify that the Field Report entitled "IMPACT OF TOURISM ON THE SOCIO-ECONOMIC STATUS OF NANDUARA VILLAGE, RAGHUNATHPUR – 1 BLOCK, PURULIA." that is being submitted by Sulable Bauxi NO. 19145.54 Registration No. 00.9926 of the year 2019 - 2020. for partial fulfillment of the syllabus of B. A/B.Sc. Sem.-V geography honours, 2021 under SIDHO- KANHO-BIRSHA UNIVERSITY, PURULIA and is a record of bona fide work carried out by the student under my supervision.

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Date:_____

TO WHOM IT MAY CONCERN

This is to certify that the Field Report entitled "IMPACT OF TOURISM ON THE SOCIO-ECONOMIC STATUS OF NANDUARA VILLAGE, RAGHUNATHPUR – 1 BLOCK, PURULIA." that is being submitted by Supatina Bound Roll 118551 NO. 1914 563 Registration No. 009935 of the year 2019 - 2020 for partial fulfillment of the syllabus of B. A/B.Sc. Sem.-V geography honours, 2021 under SIDHO- KANHO-BIRSHA UNIVERSITY, PURULIA and is a record of bona fide work carried out by the student under my supervision.



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Ref. No.

Date:

TO WHOM IT MAY CONCERN

This is to certify that the Field Report entitled "IMPACT OF TOURISM ON THE SOCIO-ECONOMIC STATUS OF NANDUARA VILLAGE, RAGHUNATHPUR – 1 BLOCK, PURULIA." that is being submitted by Champa Mahato Roll 118551 NO. 1914158 Registration No. 009530 of the year 2019-2020 for partial fulfillment of the syllabus of B. A/B.Sc. Sem.-V geography honours, 2021 under SIDHO- KANHO-BIRSHA UNIVERSITY, PURULIA and is a record of bona fide work carried out by the student under my supervision.

Bost 20/12/21



Introduction*

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Nutritional and food requirements for Expectant Mother:- adequate nutrition before and during pregnancy has great potential for long term health impact then it does at any other time. Maternal health is a complex influenced by various generic social and economic factors, infections and environmental conditions many of which affected the fetal growth. Physiological adaptations result in improved utilisation of nutrients other through increased absorption decrease excretion or alternation

A woman who has been will not read before conception beings her pregnancy with reserves of several nutrients without affecting her health. Infants who are will not read in the Womb, have an enhanced Chance of entering life in good physical and mental health.

The effects of undernutrition during reproduction will vary depending upon the nutrients involved the length of time it is lacking and the stage of gestation at which it occurs.

A woman whose diet is a liquid before pregnancy is usually able to bear a full term viable infants, without extensive modification of heart diet, mother's diet should produce adequate nutrients, so that maternal stores do not get depleted and produce sufficient Mel to Nourish her child after birth.



B.Sc 6th Semester Examination 2021 Course Code : BNUTDSHC5 Course Title : Disaster Management Subject : Nutrition (Hons)



Project Work: Topic- Role of Super food (Black cumin) in prevention of diseases

REGISTRATION NO:009831 OF 2018 - 2019 ROLL- 118641 NO 1813856

Submitted To . Mrs.Punam Roy

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Scanned with CamScanner

Submitted By

Aditi Mahato

ROLE OF SUPER FOOD (Black Cumin) IN PREVENTION OF DISEASE

✤ <u>INTRODUCTION</u>:

What is super foods ?

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By the term functional food we mean food, processed or not, which on the basis of scientific studies can contribute to the achievement of specific operational objectives within the human body and play an important role in direction of prevention degenerative diseases and health promotion. According to literature one of the categories of functional foods, conventional functional foods, contain bioactive compounds with specific actions within the human body. In recent years many scientific studies demonstrate the importance of a non-class processed foods whose nutritional composition is ideal for strengthening and promoting the proper functioning of the human body. These foods are known as super foods.

According to Wolfe, super foods include foods that have a dozen or more unique properties and constitute a specific set of food stuffs, natural or medium processed with numerous nutrients. The most important bioactive components of superfoods which have been proven to be beneficial to human body are polyunsaturated fatty acids (ω -3, ω -6), vitamins, minerals, probiotic microorganisms, antioxidants, essential amino acids, polysaccharides and various enzymes. Since the most important of the superfoods properties is their antioxidant activity, among the most important antioxidant activity, among the most important antioxidents of the superfoods are mostly vitamins A, C and E, flavonoids, selenium, β-carotene, zinc, lycopene, albumin, uric acid, biliribin, coenzyme and polyphenols. Numerous research data suggest that superfoods are a very good options to improved overall health, boosting the immune system, increasing the production of serotonin and other hormones and promoting the smooth operation of the various organic systems of the human body, but only if they are included in a balance diet and consumed in moderation and prudence. The list of superfoods is constantly increasing year by year, while tracking valuable nutrients and understanding the mechanisms of actions within the human organisms. In particular, the most important superfoods according to the data obtained from several studies, are the following:

- Fruits : pomegranate, berries, chickpeas, grape etc.
- Dried nuts : almonds, walnuts, cereals.
- Pulses : red beans, sweet potatoes, cocoa
- Vegetables : broccoli, spinach
- Herbs : ginger, tea, black cumin, garlic, methi seeds, ajwan,

SIDHO KANHO BIRSHA UNIVERSITY

B.ScHons. 6th Semester Examination, 2021

Subject- NUTRTION

Course Code- BNUTDSHC5

Course Title- DISASTER MANAGEMENT(PROJECT WORK)

Project Title- HEAVY FEMALE WORKERS WITH LOW SOCIO ECONOMY



Roll- 118641

No- 1813915

Registration no- 009889 of 2018-19

Submitted By

Mahima Mallik

Submitted to

HOD OF Nutrition

Nistarini College, Purulia

Signature

Mrs. Punam Roy

Heavy female workers with low socio-economy

Introduction

In our society we have people have various professions. Some are teachers, some are doctors, some are businessmen, some farmers, some workers. Everyone can earn almost as perneed. Then there is the lower class that earn very minimum money. In this case we are specifically talking about female workers who have to work very hard to earn a little amount of money. They are housemaker and they even have to work for their needs. their wages is little, that makes them weak socially and economically. The males of family cannot earn enough money that is why the females have to go to work. They are generally work in bricks making, crusher machine, road work, and digging of ponds. They have no time for their children. So, their children unable to get proper guide and education. After some years of very young age the son or daughters of the female workers have to go for work for family need. When the work stops due to any circumstances the problem of the workers is morebecause they have no guaranteed wage.

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INTRODUCTION

ENDOCRINE DISORDERS:

The endocrine system is made up of glands that act as a control system for many bodily processes. It produces hormones that help coordinate the functioning of body organs and tissues. A hormone is a chemical substance made by an endocrine gland and carried by the bloodstream to another tissue where it exerts some effect. The amount of hormones released depends on the body's need at a given time. Hormone levels change in response to stress, infection, and other factors. Hormones affect growth and metabolism, and can also affect a person's ability to conceive.

Endocrine disorders may occur when there is too much, too little, or no hormone present, when the hormone made is abnormal, or the target tissue cannot use the hormone. Common examples of endocrine disorders include ovulation problems, infertility, diabetes, thyroid dysfunction and pituitary hormone dysfunction.

One of the endocrine disorder can cause infertility is:

PCOS

Polycystic Ovarian Syndrome is caused by an imbalance in the reproductive hormones. Hormonal imbalances can cause issues with the healthy development or proper releasing of the eggs during ovulation.

The great majority of studies performed so far concerning women diagnosed with polycystic ovary syndrome (PCOS) have focused on diagnosis, menstrual cycle abnormalities, hirsutism and infertility. Although progress has been made in developing methods for achieving a pregnancy and reducing multiple gestations in women with PCOS, little attention has been paid to pregnancy complications and subsequent child outcomes.

Some women experience symptoms such as irregular cycles, acne, weight gain, skin tags, hair growth typical in men, thinning hair, or skin darkening, however, some women don't experience any outward signs of PCOS, at all. The best way to determine if you have PCOS is through a physical exam with your doctor.

B.Sc HONS 6TH SEMESTER EXAMINATION 2021 SUBJECT-NUTRITION COURSECODE-BNUTDSHC5 COURSETITLE-DISASTER MANAGEMENT PROJECTWORK-SOCIOECONOMIC AND NUTRITIONAL OF PRESCHOOL TRIBAL CHILDREN IN TRIBAL AREA

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ROLL-118641 NO-1816212 REGD NO-011494 OF 2018-19

SUBMITTED TO Mrs.Punam Roy

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SUBMITTED BY Sawani Ghosh

INTRODUCTIONS

Malnutrition is defined as "a state in which the physical function of an individual is impaired to the point where he or she can no longer maintain adequate bodily performance process (sic) such as growth, pregnancy, lactation, physical work and resisting and recovering from disease."[1]. Poverty is invariably linked with malnutrition, therefore, if the economic conditions of a country improves, the status of malnutrition conditions should also improve. But India doesn't conform to the above pattern, that is, the drop in malnutrition nowhere correlates with better economic conditions in the country and thus presents a typical example of "South Asian enigma"[2]. Though, the average annual rate of stunting has shown a decline of 2.3% from 2006-14 against the rate of 1.2% in 1992-2006 (RSoC 2014) [3]. But still India does not seem to catch up with other countries with similar income levels in terms of nutritional levels of it's children. Also at the national level, undernutrition is concentrated in a relatively small number of districts and villages, with a mere 10 percent of total villages and districts accounting for 27–28 percent of all underweight children, and a quarter of districts and villages accounting for more than half of all underweight children. More so the difference within wealth quintiles and different groups like scheduled tribe, scheduled caste and others remains distinct, as can be seen in NFHS 3 report.[4] The problem of underweight children is

much severe among Schedule Tribes (54.5 of the total), Schedule Castes (47.9% of the total) and Other Backward Classes (43.2% of the total). There are 74 tribal communities designated as Scheduled Tribes, based

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AWARENESS OF NUTRITION EDUCATION ON WEIGHT GAIN AND HAEMOGLOBIN LEVEL AMONG YOUNG PREGNANT WOMEN IN PURULIA DISTRICT, WEST BENGAL

Introduction :

Adequate nutrition before and during pregnancy has greater potential for a long term health impact than it does at any other time. Maternal health is a complex, influenced by various genetic, social and economic factors, infections and environmental condition which may effect the foetal growth.

A women who has been well nourished before pregnancy and during pregnancy the result of it the birth of healthy baby. But those women with low body weight and poor nutritional status prior to have low birth weight infants, premature birth, infection ,and anaemia.

The nutritional demands are highly increased in an adolescent mother.

General Problem

<u>Weight Gain</u>: All pregnancies should be started with BMI of 20 - 26 and optimal weight gain is about 11 to 13 kg. Women with low body weight prior to pregnancy have low wight infants, premature birth ,infection and anaemia and excessive weight gain places an extra strain on organs and increases the incidence of toxaemia.

Total Weight gain(kg)
12.5 -18
11.5- 16
7-11.5
6.0

Recommended Weight gain for Pregnant women based on BMI

Research shows that continuing a regular exercise regimen through out pregnancy is helpful in improved fitness, prevention of gestational diabetes, facilitation of labour and reduced stress.

Complecation

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Anaemia:

About 1,25,000 women die in India every year from causes to pregnancy and child birth. One of the main causes is anaemia.

Category	Haemoglobin level(g/dl)
Normal	≥11
Mild Anaemia	9-11
Moderate Anaemia	7-9
Severe Anaemia	<7

Consumption of Iron, folic acid and vitamin B12 containing food helps to prevent anaemia.
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পুরুলিয়া * পশ্চিমবঙ্গ

Forwarded

NISTARINI COLLEGE, PURULIA

স্থাপিত ২০১০



ক্ষেত্র সমীক্ষা পত্র

বিষয় :- করোনা : বিপর্যস্ত সমাজ, সাহিত্য ও সংস্কৃতি

তত্ত্বাবধায়ক - অধ্যাপক প্রবীর সরকার (HEAD OF DEPARTMENT)

নিস্তারিণী মহাবিদ্যালয়

স্নাতকোত্তর শ্রেণী

<u>বাংলা বিভাগ</u>

সমীক্ষকের নাম - অস্বিকা কুমার

রোল – ৫১৩১১৮১৯ নং – ০০০১

রেজিস্ট্রেশন নং – ০০১৯৭৪ অফ - ২০১৬-২০১৭

অধিবর্ষ - তৃতীয়

পত্র - ৩০৬

নিম্ভারিনী মহাবিদ্যালয়

বাংলা বিভাগ নাম - অঙ্কিতা মন্ডল রোল - ৫১৩১১৮১৯ নম্বর - ০০০২ রেজিস্ট্রেশন নং - ০১৫৯৫৯ অফ ২০১৯-২০২০ অধিবর্ষ - তৃতীয় অধিবর্ষ পত্র - ৩০৬

তত্ত্রাবধায়ক - ডঃ উষাপতি বিশ্বাস

: ক্ষেত্রসমীক্ষা পত্র : বিষয় : বিপর্যস্ত জনজীবন : প্রসঙ্গ করোনা

স্থাপিত - ২০১০ পুরুলিয়া * পশ্চিমবঙ্গ

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ক্ষেত্র সমীক্ষা পত্র

বিষয় :- মানভূমের জনজীবনে করোনার প্রভাব তত্তাবধায়ক – অধ্যাপিকা চিরশ্রী সিদ্ধান্ত সরকার (স্কর্জানিক সি নিস্তারিণী মহাবিদ্যালয় স্নাতকোত্তর শ্রেণী বাংলা বিভাগ সমীক্ষকের নাম – বেদনা মাহাত রোল – ৫১৩১১৮১৯ নং- ০০০৩ রেজিস্ট্রেশন নং- ০০৪৫২০ অফ - ২০১৬ - ২০১৭ অধিবর্ষ – তৃতীয় পত্র - ৩০৬



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সিধো কানহো বিরসা বিশ্ববিদ্যালয়



নিষারিণী মহাবিদ্যালয় মাতকোত্তর শ্রেণী বাংলা বিজ্ঞাগ ষ্ঠেত্রসমীক্ষা-লকডাউন পরিস্থিতিতে শ্রমজীবী মানুষের জীবনচিএ। সমীক্ষকের নাম-হীরাবতী সহিস। তদ্বাবধায়কের নাম-শ্রবীর সরকার। রোল- 51311819 নং-০০০5 রেজি নাং-০15302 অফ 2016-2017 অধিবয – তৃতীয়

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়





নিস্তারিনী মহাবিদ্যালয়

স্নাতকোত্তর শ্রেণী

বাংলা বিভাগ

ক্ষেত্রসমীক্ষার জন্য প্রদত্ত পত্র :- মহামারী : শ্রমজীবি মানুষ, স্বাস্থ্য, শিক্ষা, সাহিত্য তত্ত্বাবধায়ক :- ডঃ ঊষাপতি বিশ্বাস (অ্যাসোসিয়েট প্রোফেসর)

> সমীক্ষকের নাম :- জয়শ্রী কুন্ডু রোল :- ৫১৩১১৮১৯ নং :- ০০০৬ রেজিষ্ট্রেশন নং :- ০১০০৮৫ অফ :- ২০১৬-২০১৭ অধিবর্ষ :- তৃতীয় পত্র :- ৩০৬

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বিষয় : লোকজীবন ও সাহিত্যে করোনা : প্রসঙ্গ বদলে যাওয়া

Forwarded

তত্তাবধায়ক-অধ্যাপিকা চিরশ্রী সিদ্ধান্ত সরকার মহাশয়া(অ্যাসোসিয়েট প্রফেসর)

নিস্তারিনী মহাবিদ্যালয় স্নাতকোত্তর শ্রেণী

বাংলা বিভাগ সমীক্ষকের নাম - ঝর্না মাহাত রোল - ৫১৩১১৮১৯ নং-০০০৭ রেজিস্ট্রেশন নং - ০১০০৯০ অফ- ২০১৬-২০১৭ অধিবর্ষ - তৃতীয় পত্র - ৩০৬



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ক্ষেত্র সমীক্ষা পত্র

বিষয় : বর্তমান জনজীবন, সমাজব্যবস্থা ও অর্থনীতি : প্রসঙ্গ করোনাকাল

তত্ত্বাবধায়ক- ডঃ ঊষাপতি বিশ্বাস (অ্যাসোসিয়েট প্রফেসর) নিস্তারিণী মহাবিদ্যালয় স্নাতকোত্তর শ্রেণী বাংলা বিভাগ সমীক্ষকের নাম - মালা মাঝি রোল – ৫১৩১১৮১৯ নং – ০০০৯ রেজিস্ট্রেশন নং – ০০২০৮৪ অফ - ২০১৬-২০১৭ অধিবর্ষ - তৃতীয় পত্র - ৩০৬



পুরুলিয়া * পশ্চিমবঙ্গ

স্থাপিত – ২০১০



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<u>ক্ষেত্র সমীক্ষা পত্র</u> বিষয় :- করোনাকালে শ্রমজীবী মানুষের কথা তত্তুাবধায়ক – অধ্যাপক প্রবীর সরকার (Head of Depertment) নিস্তারিণী মহাবিদ্যালয় স্নাতকোত্তর শ্রেণী <u>বাংলা বিভাগ</u> সমীক্ষকের নাম – মালতী রাজোয়াড় রোল – ৫১৩১১৮১৯ নং- ০০১০ রেজিস্ট্রেশন নং- ০১০১৪২ অফ - ২০১৬ - ২০১৭ অধিবর্ষ – তৃতীয় পত্র - ৩০৬



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সিধো-কালহো-বীরসা বিশ্ববিদ্যালয়



নিস্তারিণী মহাবিদ্যালয় মাতকোত্তর শ্রেণী ষ্ণ্রেত্রসমীক্ষা পত্র বিষয় :- করোনা শিক্ষা, সাহিত্য ও সমাজের নতুন নির্ণায়ক সমীক্ষকের নাম :- মালকা তাহজিব রোল :- ৫১৩১১৮১৯ নং :- ০০১১ রেজিষ্ট্রেশন নং :- ০১১৪২৫ অফ :- ২০১৬-২০১৭ অধিবর্ষ :- তৃত্তীয়

পত্র :- ৩০৬

তদ্বাবোধকের নাম :- মাননীয় প্রবীর সরকার মহাশয় (বিভাগীয় প্রধান)



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সিধো-कानহো-বীরসা বিশ্ববিদ্যালয়



निश्चातिनी महाविम्रानम স্নাতকোত্তর শ্রেণী ষ্ণ্রেত্রসমীক্ষা পত্র বিষয় :- করোনা পরবর্তী জীবন: সমাজ, সাহিত্য ও শিক্ষা সমীহ্মকের লাম :- মমতা মাহাতো বোল :- ৫১৩১১৮১৯ নং :- ০০১২ বেজিট্টেশন নং :- ০১১৪২৬ অফ :- ২০১৬-২০১৭ অধিবর্ষ :- তৃতীয়

পত্র :- ৩০৬

তত্বাবোধকের লাম :- মাললীয় প্রবীর সরকার মহাশয় (বিভাগীয় প্রধাল)

সিধো -কানহো -বীরসা -বিশ্ববিদ্যালয় নিস্তার্মীলি মহাবিদ্যালয় লাতকোন্তর শ্রেনী বাংলা বিভাগ 13

NSTARINI COLLEGE, PURU



ক্ষেত্রসমীক্ষা-লোকসাহিত্যের একটি অংশ,লোকসংগীতে করোনার প্রভাব

সমীক্ষকের নাম- মিতালী মন্ডল তত্ত্বাবধায়কের নাম-উমা চক্রবর্তী

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রোল-৫১৩১১৮১৯ নং-০০১৪

রেজিস্ট্রেশন-০১১৬২২ অফ-২০১৫-২০১৬

অধিবর্ষ- তৃতীয়

পত্ৰ-৩০৬



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সিধো- কানহো- বীরসা- বিশ্ববিদ্যালয়



নিস্তারিণী মহাবিদ্যালয় বাংলা বিভাগ

ক্ষেত্র সমীস্কা- বিশ্ব সাহিত্যে করোনা মহামারী সমীষ্ণকের নাম- নিবেদিতা লায়েক রোল- ৫১৩১১৮১৯ নং–০০১৫ রেজিস্ট্রেশন নং– ০১১৪৪১ অফ–২০১৬-২০১৭ অধিবর্ষ- তৃতীয় পত্র- ৩০৬

তত্বাবধায়কের লাম- মাললীয় উষাপতি বিশ্বাস মহাশয়

নিস্তারিনী মহাবিদ্যালয়

বিষয় :করোনা শিক্ষ্য)স্বাস্থ্য ও সমাজের নতুন নির্নায়ক তত্ত্বাবধায়ক- অধ্যাপিকা চিরশ্রী সরকার <u>বাংলা বিভাগ</u> নাম – নিবেদিতা মাহাত রোল – ৫১৩১১৮১৯ নম্বর – ০০১৬ রেজিস্ট্রেশন নং – ০১৫৯৬০ অফ ২০১৯-২০ অধিবর্ষ – তৃতীয় অর্দ্বির্ব পত্র ৩০৬

স্থাপিত -২০১০ '

পুরুলিয়া * পশ্চিমবঙ্গ

: ক্ষেত্রসমীক্ষা পত্র :



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অধিবর্ষ- তৃতীয়

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নাম- নিবেদিতা মাঝি রোল - ৫১৩১১৮১৯ নম্বর - ০০১৮ রেজিষ্ট্রেশন নম্বর -০০৩৭৫০ অফ - ২০১৪-২০১৫ অধিবর্ষ - তৃতীয় অধিবর্ষ, পত্র - ৩০৬

নিন্তারিণী মহাবিদ্যালয়

বাংলা বিভাগ

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তত্তাবধায়ক - ডঃ প্রবীর সরকার

বিষয় - আদিবাসী জীবন, সংস্কৃতি ও করোনা

য়াতকোত্তর শ্রেণী

ক্ষেত্ৰসমীক্ষা পত্ৰ

স্থাপিত - ২০১০ পুরুলিয়া * পশ্চিমবঙ্গ





-কানহো- বীরসা বিশ্ব

For



ষ্ষেত্র সমীষ্ণা পত্র

क (झालान बाबा किंक: उद्यात, उपार्ट) 3 किछा বিষয়:-

তত্বাবধায়ক- অধ্যাপিকা চিরশ্রী সিদ্ধান্ত সরকার(Assistant Professor)

নিস্তারিণী মহাবিদ্যালয়

স্নাতকোত্তর শ্রেণী

বাংলা বিভাগ

সমীস্ককের নাম-পার্ব তী মাহাত

রোল-৫১৩১১৮১৯, নাম্বার-০০১৯

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রেজিস্ট্রেশন-০১৪৩০৯ অফ ২০১৫-২০১৬

অধিবর্ষ-তৃতীয়

অধিবর্ষ-তৃতীয় পত্র-৩০৬

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়

পুরুলিয়া * পশ্চিমবঙ্গ





Forcesories & DESCRIPTION OF (2/2/2) Head of Deput, of Hengall Head of Deput, of Hengall NISTARINI COLLEGE, PURILIN

ক্ষেত্র সমীক্ষা পত্র

বিষয় :- করোনা-জনজীবন, শিক্ষা, সাহিত্য ও সংস্কৃতি : এক পালাবদলের কাল তত্ত্বাবধায়ক - অধ্যাপিকা চিরশ্রী সিদ্ধান্ত সরকার মহাশয়া (অ্যাসোসিয়েট প্রফেসর) নিস্তারিণী মহাবিদ্যালয় স্নাতকোত্তর শ্রেণী

বাংলা বিভাগ

সমীক্ষকের নাম - পৌলমী কুমার

রোল – ৫১৩১১৮১৯ নং – ০০২০

রেজিস্ট্রেশন নং – ০১০২৫৪ অফ - ২০১৬-২০১৭

অধিবর্ষ - তৃতীয়

পত্র - ৩০৬

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সিধো কানহো বীরসা বিশ্ববিদ্যালয় For warde & and ar som





নিস্তারিনী মহাবিদ্যালয় স্নাতকোত্তর শ্রেণী বাংলা বিভাগ

ক্ষেত্র সমীক্ষা : স্বাস্থ্য ও শিক্ষার উপর বিশ্বমহামারীর - :করোনারা প্রভাব :-

নাম : পিন্ধি চ্যাটার্জী রোল : ৫১৩১১৮১৯ নং - ০০২১ রেজিস্ট্রেশন নং : ০১০২৫৮ ২০১৬ - ২০১৭ অধিবর্ষ : তৃতীয়

পত্র : ৩০৬



স্থাপিত - ২০১০ পুরুলিয়া * পশ্চিমবঙ্গ

ষ্ণ্রের সমীক্ষা - করোলা মহামারি - 'শিক্ষা ও সাহিত্য '

তত্ত্বাবধায়ক - ড: ঊষপিতি বিশ্বাস

বাংলা বিভাগ

সমীক্ষকের নাম - প্রভাতী মাহাতো রোল - ৫১৩১১৮১৯ নম্বর - ০০২২ রেজিষ্ট্রেশন নম্বর - ০০৫৮৪৬ অফ - ২০১৬-২০১৭ অধিবর্ষ - তৃতীয় অধিবর্ষ পত্র - ৩০৬ স্মাতদেণ্ডের স্রোমীল * নিস্তারিণী মহাবিদ্যালয় *

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অধিবর্ষ - তৃতীয়

রেজিস্ট্রেশন নং : - ০১০২৯৯ অফ ২০১৬-২০১৭

রোল :- ৫১৩১১৮১৯ নং:-০০২৩

সমীক্ষকের নাম : - পূর্নিমা পরামানিক তত্তावधाय्यकत नाम :- उँमा स्पृत्यों, उँचाली दिस्याम

ক্ষেত্রসমীক্ষা: - করোনা ; সমাজ ও স্বাস্থ্য

স্নাতকোত্তর শ্রেণি বাংলা বিভাগ

নিম্ভারিণী মহাবিদ্যালয়





সিধো-কানহো-বীরসা বিশ্ববিদ্যালয় Head of Dept. of Bengall Head of Dept. of Bengall HISTARINI COLLEGE PURILIA Brazel av 215 M

পত্র - ৩০৬

অধিবর্ষ - তৃতীয়

রেজিস্ট্রেশন নং – ০১৫৯৬১ অফ - ২০১৯-২০২০

রোল – ৫১৩১১৮১৯ নং – ০০২৪

সমীক্ষকের নাম - পুতুল সিং

স্নাতকোত্তর শ্রেণী

বাংলা বিভাগ

নিস্তারিণী মহাবিদ্যালয়

বিষয় :- করোনার সুদূরপ্রসারী প্রভাব মানুষের দেহে ও মনে : প্রসঙ্গ করোনাকাল তত্ত্বাবধায়ক - অধ্যাপিকা ঊমা চক্রবর্তী মহাশয়া (অ্যাসোসিয়েট প্রফেসর)

ক্ষেত্র সমীক্ষা পত্র

স্থাপিত ২০১০

Forwards

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NISTARIANI COLLEGE, PURITLA





সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়



ক্ষেত্রসমীক্ষার জন্য প্রদত্ত পত্র :- অতিমারির প্রভাব : বিপর্যস্ত শিক্ষা, সাহিতা ও সমাজজীবন তত্ত্বাবধায়ক :- উমা চক্রবর্তী (অ্যাসোসিয়েট প্রোফেসর)

> সমীক্ষকের নাম :- রীতা মাহাত রোল :- ৫১৩১১৮১৯ নং :- ০০২৭ রেজিষ্ট্রেশন নং :- ০১০৩২৯ অফ :- ২০১৬-২০১৭ অধিবর্ষ :- তৃতীয় পত্র :- ৩০৬



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নিস্তারিণী মহাবিদ্যালয়

মাতকোত্তর শ্রেণি

বাংলা বিভাগ

ক্ষেত্র সমীক্ষা:-করোনাকালে দিকভ্রান্ত স্বাস্থ্য ও শিক্ষা ব্যবস্থা তন্ত্রাবধায়ক – সিধ্যানিকা চিরজ্ঞী সারকার সমীক্ষকের নাম:-ঋতু কুমার

রোল:-৫১৩১১৮১৯ নং:-০০২৮

রেজিন্দ্রেশন :- ০০৭৪০৪ অফ:-২০১৬-২০১৭

অধিবর্ষ:-তৃতীয়

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পুরুলিয়া 🔹 পশ্চিমবঙ্গ

স্থাগিত- ২০১০



ষ্ণ্রেসমীক্ষা পত্র বিষয়:- অতিমারি করোলায় বিপন্ন জনজীবল: প্রসঙ্গ শিক্ষা ও শ্বাস্থ্য। তত্বাবধায়ক- উমা চক্রবর্তী (অ্যাসোসিয়েট প্রফেস্র) निश्चातिनी महाविम्रालम् স্নাতকোত্তর শ্রেলী বাংলা বিভাগ সমীক্ষকের নাম- সবেদিতা মাঝি বোল- ৫১৩১১৮১৯ নং- ০০২৯ বেজিস্ট্রেশন নং- ০০১৫৪২ অফ- ২০১৬-২০১৭ অধিবর্ষ- তৃতীয় পত্ৰ- ৩০৬

সিধো-কানহো-বিরসা বিশ্ববিদ্যালয়







বাংলা বিভাগ স্নাতক কোর্স

ক্ষেত্র সমীক্ষা – লোকায়ত জীবনে করোনার প্রভাব সমীক্ষের নাম – সাগরিকা পাত্র রোল – ৫১৩১১৮১৯ নং – ০০৩০ রেজিস্ট্রেশন নাম্বার – ০১৫৯৬২ অফ – ২০১৯-২০২০ অধিবর্ষ – তৃতীয়

পত্র - ৩০৬

তত্তাবধায়কের নাম – উমা চক্রবর্তী





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বাংলা বিভাগ স্নাতকোত্তর কোর্স

ক্ষেত্র সমীক্ষা – সমাজ জীবনে সাহিত্য ও করোনার প্রভাব সমীক্ষের নাম – সর্বানী হাঁসদা রোল – ৫১৩১১৮১৯ নং – ০০৩১ রেজিস্ট্রেশন নাম্বার – ০০৮২০১ অফ – ২০১৫-২০১৬ অধিবর্ষ – তৃতীয় পত্র - ৩০৬

তত্ত্বাবধায়কের নাম – মহাশয় প্রবীর সরকার

স্থাপিত - ২০১০ পুরুলিয়া * পশ্চিমবঙ্গ -

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NISTATIAL COLLEGE PURITUR

<u>: ক্ষেত্রসমীক্ষা পত্র :</u> বিষয় : করোনা মহামারী ও বর্তমান পরিস্থিতি

তত্ত্রাবধায়ক - চিরশ্রী সরকার

<u>বাংলা বিভাগ</u> নাম - স্পিখ্যা ব্লচ্জেরু রোল - ৫১৩১১৮১৯ নম্বর - ০০৩২ রেজিস্ট্রেশন নং - ০১৫৯৬৩ অফ ২০১৯-২০২০ অধিবর্ষ - তৃতীয় অধিবর্ষ পত্র - ৩০৬

নিম্ভারিনী মহাবিদ্যালয়

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পত্র:- ৩০৬

রেজিস্ট্রেশন নং:- ০০৪০৭৪ অফ- ২০১৫-২০১৬ অধিবর্ষ:- তৃতীয়

রোল:- ৫১৩১১৮১৯ নং- ০০৩৩

ষ্ণেত্রসমীক্ষা:- করোনা ও মানবজীবন जिञ्चातार्थकः - असीत उग्रकात সমীষ্ণকের নাম:- শ্রাবণী চক্রবর্ত্তী

বাংলা বিভাগ

স্নাতকোত্তর শ্রেণী

ESTD. 201 নিস্তারিণী মহাবিদ্যালয়



Formed or And Ar Stand সিধো- কাৰহো- বীবসা বিশ্ববিদ্যালয়

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয়





স্থাপিত ২০১০

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ক্ষেত্র সমীক্ষা পত্র

বিষয় :- বিবর্তিত শিক্ষা, সমাজ, ও স্বাস্থ্য : প্রসঙ্গ করোনাকাল

তত্ত্রাবধায়ক- ডঃ ঊষাপতি বিশ্বাস (অ্যাসোসিয়েট প্রফেসর)

নিস্তারিণী মহাবিদ্যালয়

স্নাতকোত্তর শ্রেণী

বাংলা বিভাগ

সমীক্ষকের নাম - শ্যামলী কুইরী

রোল – ৫১৩১১৮১৯ নং – ০০৩৪

রেজিস্ট্রেশন নং – ০০৯৫৭১ অফ - ২০১৬-২০১৭

অধিবর্ষ - তৃতীয়

পত্র - ৩০৬

সিধো-কানহো-বীরসা বিশ্ববিদ্যালয় Francis and stand

নিস্তারিণী মহাবিদ্যালয় (পুরুলিয়া, পশ্চিমবঙ্গ, ভারত) স্নাতকোত্তর, বাংলা বিভাগ

NISTARIN COLLEGE PURITUR ক্ষেত্রসমীক্ষার বিষয়: অতিমারীর প্রভাবে বিপর্যস্ত জনজীবন, সমাজ, সাহিত্য ও সংস্কৃতি

তত্ত্বাবধায়ক : চিরশ্রী সিদ্ধান্ত সরকার

(সহযোগী অধ্যাপক, নিন্তারিণী মহাবিদ্যালয়)

সমীক্ষকের নাম : সোমা চট্টরাজ

রোল : ৫১৩১১৮১৯

রেজিষ্ট্রেশন নং : ০০৫৯৮৬

অধিবর্ষ : তৃতীয়

नर : 0006

वयः : २०३७-२०३१

পত্র : ৩০৬

মাতকোত্তর বাংলা বিভাগ ষ্কেত্রসমীক্ষা -করোনা পরবর্তী আদিবাসী জনজাতি সমাজ জীবন, শিক্ষা ও সাহিত্য৷ তত্বাবধায়কের নাম- মানশ্বীয় প্রবীর সরকার মহাশয়৷ সমীষ্ণকের নাম- সোনালী টুডু৷ রোল- 51311819 নং-0036 রেজি নং- 012695 অফ-2016-2017 অধিবর্ষ – তৃতীয় , পত্র-306

নিস্তারিণী মহাবিদ্যালয়



সিধো কানহো বীরসা বিশ্ববিদ্যালয়



LEGE PORULI



নিস্তারিনী মহাবিদ্যালয় স্নাতকোত্তর শ্রেণী বাংলা বিভাগ

ক্ষেব্রসমীক্ষা:- করোনার প্রাদুর্ভাবে সমাজ ও সাহিত্য। সমীক্ষকের নাম:- তমালি গাঙ্গুলী তত্ত্বাবধায়কের নাম:- ওঁদা জন্মেই, উদ্বাপত নিযাল, রেজিস্ট্রেশন নম্বর:- ০০০৮৯৯ অফ: ২০১৬-২০১৭ অধিবর্ষ:- তৃতীয় রোল:- ৫১৩১১৮১৯ নম্বর:- ০০৩৮ পএ- ৩০৬

পত্র:- ৩০৬

অধিবর্ষ :- তৃতীয়

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সমীক্তকের নাম :- তুন্ট মাহাত

রোল:-৫১৩১১৮১৯ নং:-০০৩৯

তত্ত্বাবধায়কের নাম :- অধ্যাপিকা উমা চক্রবর্তী

রেজিন্টেশন নং :- ০০৪৭৩১ অফ ২০১৬ - ২০১৭ Sur 3.24

নিন্তারিনী মহাবিদ্যালয় স্নাতকোত্তর শ্রেণী বাংলা বিভাগ

দ্যেত্রস্থাকা :- করোনা : করোনা মহামারীতে শিক্ষা ও সংস্কৃতির হাতাব





সিধো-কানহো-বিরসা বিশ্ববিদ্যালয় abit sould a go mi

Dept. of Bengali, Nistarini College, Purulia.

Summary of the Project adopted as an Outreach Program for the students of P.G, 3rd Sem. 2021, Paper - 306

Students/Surveyors were all forced to do their Fieldwork (within 1st^{s.} week of March 2021) in the nearby area/villages maintain Covid Protocol.

S1.	Name of the Student	Topic & Supervisor	Observation
1	Ambika Kumar. Roll. 51311819 No. 0001. Regd. No. 001974/16-17	'Corona: An image of disrupted education and culture.' Dr. P. Srakar	It is observed that, Impact of Covid19 on village life was relatively small, but disrupted educational and cultural activities. At the same time, people have fought for their own salvation.
2	AnkitaMandal Roll: 51311819 No: 0002 Regd No: 015959 of 2019-2020	Corona : Disrupted normal public life. Dr.U.Biswas	The source of corona, horror, caution and prevention have been explained in the picture with information on education-health-public life, lockdown etc. There is also mentioned the flourishing nature was seen during lockdown. The essay ended with the good wishes for the future corona free world.
3	BedanaMahato Roll: 51311819 No: 0003 Regd No: 004520 of 2016- 2017	Impact of Corona on the social life of Manbhum. Prof. C. Sarkar	The pandemic has left a massive impression on the lives of the Manbhum region, especially in the rural and tribal zones. Alarming issues such as prevailing unemployment and rampant poverty and other aspects such as health and tourism have been discussed in this article. The various ups and downs of the changing education, social and cultural sectors have also been addressed.
4	ChaitaliMahato. Roll : 51311819, No: 0004. Regn no: 013013 of 2015-2016.	Migrant workers suffered badly by Corona. Prof. U. Chakraborty	Due to Corona all the Industries stopped working, labours became jobless and shelter less. Migrant workers couldn't even return home as public transports were unavailable. Helpless workers' personal as well as family life have become miserable.
5	Hirabati Sahis. Roll. 51311819 No. 0005. Regd. No. 015202/16-17	'Education and health crisis of working people in Corona.' Dr. P. Srakar	The workers were most at risk in Lock Down period. Education has gone away in the pursuit of life. Various public and private initiatives for
			social welfare are antidote to this catastrophe. Culture also temporarily stagnated.
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6	JayashreeKundu Roll: 51311819 No: 0006 Regd No: 010085 of 2016-2017	Epidemic: Working People Health Education Literature. Dr.U.Biswas	Corona's influence on the mental and practical picture, education and literature of the migrant workers-police-health workers in the stagnant public life in Corona is the direction of the new horizon.
7	JharnaMahato Roll: 51311819 No: 0007 Regd No: 010090 of 2016- 2017	Impact of Corona on Folk-life and Literature. Prof. C. Sarkar	The folk-life is one of the hardest hit by the pandemic because of the drastic change in socio-economic conditions. Despite the effects of poverty and livelihood loss, the folk artists responded to the pandemic in their own unique ways, by creating folklores and folksongs based on their observations of the changes around them.
8	JhumpaMitra Roll: 51311819 No: 0008 Regd No: 005721 of 2016-2017	Life and Literature in Times of Corona Prof. C. Sarkar	The effects of covid 19 are reflected in many ways. The various effects of corona on education, health and literature of the society have been described with the pictures The role of doctors and nurses in health sector and the police at the administrative level is immense. The epidemics in literature has influenced local and foreign writers at different times.
9	Mala Majhi Roll: 51311819 No: 0009 Regd No: 002084 of 2016-2017	Current Socio Economic Life and Corona. Dr.U.Biswas	This article depicts the horrific form of corona, the socio-economy, the individual-international life, the digital world, the real plight of the working class. In addition, the idea of restoring human health is invented.
10	MalatiRajwar . Roll. 51311819 No. 0010. Regd. No. 010142/16-17	'Crisis of working folk-artists during Corona. Dr. P. Srakar	Performing Arts Exhibitions were closed for a long time during Lockdown. As a result, the <u>artists who make the supporting materia</u> l also spend their days in a severe economic crisis. Folk artists have become poorer.
11	MalkaTahajib Roll. 51311819 No. 0011. Regd. No. 011425/16-17	'Corona : A new determinant in education, literature and society.' Dr. P. Srakar	Classroom education and virtual education, printed literature and online literature, conflicts have arisen in this time. Social inequality has developed in higher education. As a result, society is feeling uncomforted.
12	MamataMahato . Roll. 51311819 No. 0012. Regd. No.	'Society, Education and Literature after Corona.'	Due to the economic crisis, many students were deprived of the opportunity of a virtual

	011426/16-17	Dr. P. Srakar	education system. As a result, there is a division among the students. It is another crisis. Literature was neglected in this episode.
13	MitaliMandal. Roll: 51311819 No: 0014. Regd. no: 015961 of 2019-2020.	Impact of Corona on our folk culture. Prof. U. Chakraborty	Folk culture, generally, created by Subaltern people, depicts their daily life, as well as mythological stories through their art form in groups. This is a popular profession of the rural people is stopped due to the Prohibition of social gathering, snatched their livelihood. They are in a fix what to do!
14	NibeditaLayek Roll: 51311819 No: 0015 Regd No: 01441 of 2016-2017	Corona Pandemic in world literature. Dr.U.Biswas	Beside the Scientists, In world literature poet Coleridge, Dramatist Ben Jonson had play important role against Epidemic. Also in Bengali literature like VADU, TUSU- our folk-poets done a good job.
15	NibeditaMahato Roll: 51311819 No: 0016 Regd No: 015960 of 2019- 2020	Corona: A new ascertainment in Education, Health and Society. Prof. C. Sarkar	The ongoing pandemic has prompted the implementation of parallel learning system. Similarly, the health sector is focusing on increasing public awareness of how to prevent the pandemic. All of these new changes have had both positive and negative effects on societal life. This article also discusses the possible roadmaps to improving the quality of lives in the times of corona.
16	NibeditaMahato. Roll. 51311819 No. 0017. Regd. No. 005819/16-17	[°] Child psychology: Educational and Cultural crisis during Corona-period.' Dr. P. Srakar	A kind of loneliness has had a profound effect on the minds of children as educational institutions are closed. But it is also true that, practice of spontaneous culture at family level has also been seen in the opportunity of vacation. Ti is a positive result.
17	NibeditaMajhi. Roll. 51311819 No. 0018. Regd. No. 008201 /16-17	'Impact of Corona in indigenous public life and culture.' Dr. P. Srakar	All the festivals of tribal life, folklore is a collective effort. Indigenous people have lived almost captive lives during this time - following the rules of lockdown and social distance. However, the impact of Corona on tribal society was less than urban society.
18	ParbatiMahato Roll: 51311819 No: 0019 Regd No: 014309 f 2015-2016	Different Aspects of Corona; Emphasis on Society, Literature and Education. Prof. C. Sarkar	Corona pandemic has challenged the socio- economic sectors affecting the grass-root level communities and a broad range of vulnerable populations disproportionally, leading to poverty and unemployment. Innovative and

			alternative education systems, though implemented, could not achieve success at all levels. Additionally, narratives of pandemics in the literature have reflected the human ability to document history on a circumstantial basis.
19	Poulami Kumar Roll: 51311819 No: 0020 Regd No: 010254 of 2016-2017	Corona in Public Life, Education, Literature and Culture: a changing scenario. Prof. C. Sarkar	From changing nature of social networks that can be amplified to both beneficial and harmful extent during an epidemic, to innovative and alternative educational systems; from endorsing individualism to a stronger commitment to collectiveness. This article presents the various sides of the 'new normal' social composition brought in by the pandemic. Corona has gifted us a pollution-free world.
20	PinkiChatterjee Roll: 51311819 No: 0021 Regd No: 010258 of 2016-2017	Corona's Impact on Health Education in the World. Dr.U.Biswas	The impact on education and health has been discussed in the horrors of the origin of covid. There is also an oath to live anew in facts and analysis.
21	PrabhatiMahato Roll: 51311819 No: 0022 Regd No: 005846 of 2016-2017	Corona Epidemic: Education and Literature. Dr.U.Biswas	Due to Corona, the nature of all contemporary education and literature has been analyzed with information and relevant images. Despite the horrors of Covid, human progress is assured
22	PurnimaParamani k. Roll:51311810 No : 0023. Regn no: 010299 of 2016-2017.	Corona has not only affected our health but our mind too. Prof. U. Chakraborty	The article describes, not only how the pandemic has affected our health but also how it has collapsed the infrastructure of our health sector. Home-confined persons', patients' social isolation have caused severe mental depression, though the health workers are working hard, with limited resource, to combat the adverse situation.
23	Putul Singh. Roll-51311819, No :0024. Regn no:-015961 of 2019-2020.	The adverse effect of corona on human being. Prof. U. Chakraborty	The disease Corona is affecting our body and mind at the same time. Physical ailments can be cured but home-confined people's monotony ,fear, uncertainty of life is causing mental depression of the isolated people as well as the Corona victims. Education part is being neglected by them now.
24	Rita Mahato. Roll-51311819, No :0027.	Corona's devastating impact on education, society and	Due to the Corona pandemic, our society, education and our cultural life is passing through a dark and barren period. No creative

	Regn no:-010329 of 2016-2017.	literature. Prof. U. Chakraborty	work is not possible now. Moreover, social distancing has made us isolated totally. In this state, our education system is trying to cope up with the situation introducing online teaching-learning method for the students.
25	Ritu Kumar Roll: 51311819 No: 0028 Regd No: 007404 of 2016-2017	Disrupted Health and Education systems in the Pandemic Period. Prof. C. Sarkar	Since its outbreak, the COVID-19 pandemic has heavily disrupted the two major sectors- health and education. The nature and forms of corona have been discussed with a special emphasis on its impact on the education systems. The Govt. implemented current health and education policies, lockdown measures and their possible future scopes and possibilities have also been analyzed and discussed.
26	SabeditaMajhi . Roll: 51311819 No : 0029. Regn no: 001542 of 2016-2017.	Corona has badly affected our health as well as our education system. Prof. U. Chakraborty	To prevent the contagious disease all types of institutions are under lockdown but the health sector. Health workers are working day and night to combat the situation. Regular Teaching -learning method has changed into online- mode teaching. But poor students can't afford the same as they Don't have smart phones with net connection. So, number of drop-out students are increasing.
27	SagarikaPatra. Roll-51311819 No : 0030. Regn no: 015962 of 2019-2020.	Corona's impact on our folk culture. Prof. U. Chakraborty	Folk culture is mainly a performing art by groups if people. This is a popular profession. But due to lockdown, social gathering is totally prohibited. So the folk artists can't stage their performance and are jobless now. Poverty, insecurity of life and livelihood has made their lives miserable.
28	SarbaniHansda. Roll. 51311819 No. 0031. Regd. No. 008201 /16-17	'Response of Corona in social life, Education and Literature.' Dr. P. Srakar	Religious festivals and social ceremonies have not been as lively as education has been disrupted by fear of Corona. People have been forced to engage in self-defence only in pursuit of awareness.
29	ShikhaRajak Roll: 51311819 No: 0032 Regd No: 015963 of 2019-2020	Corona Pandemic and the Current Scenario. Prof. C. Sarkar	This article depicts the horrific form, symptoms, and longevity of the corona pandemic. With the main emphasis on the impact of corona on education, health and economy; it carries a special reference on the consequences of lockdown and societal restrictions on child health, migrant workers, and daily wage

			labourers.
30	Shrabani Chakrab orty Roll. 51311819 No. 0033. Regd. No. 004074 /16-17	'Corona and its effect on human society.' Dr. P. Srakar	Effect of Corona was not only on the economy, society also suffered from fear and depression. Children were also greatly affected. Now the second battle is going on after Corona.
31	ShyamaliKuiry Roll: 51311819 No: 0034 Regd No: 009571 of 2016-2017	Corona : Evolved Education, society and Public Health. Dr.U.Biswas	In corona period, various problem rises in the education system due to Digital system. Lockdown, covid etc, has caused many disasters in public life.
32	Soma Chattaraj Roll: 51311819 No: 0035 Regd No: 005986 of 2016-2017	Impact of Corona on Public Life, Society, Literature and Culture. Prof. C. Sarkar	Impact of corona on public life discussed with a main highlight on the indigenous people, daily- wage labourers, footpath dwellers and grass- root level community. In addition, the impact of corona, both positive and negative impressions, on art, literature, and culture has been analysed and discussed with relevant images.
33	SonaliTudu. Roll. 51311819 No. 0036. Regd. No. 012695 /16-17	[•] Indigenous tribal life and their Education and Literature after Corona.' Dr. P. Srakar	People of tribal society have become more science-minded after the third wave of pandemic. Many have begun to use modern technology. However, the economic crisis has intensified.
34	TamaliGanguly. Roll : 51311819 No : 0038. Regnno : 000899 of 2016-2017.	Our society and literature is being deeply affected by Corona. Prof. U. Chakraborty	Social distancing, use of masks, staying indoors are some rules to be followed as preventionary measure against Corona. But the uncertainty of life and livelihood, home isolation, fear of getting infected, have made us selfish to a great extent. Its an abnormal situation when Creative work is not possible. But we must hope for a disease free world in near future.
35	TustoMahato. Roll 51311819, No: 0039 Regn no: 004731 of 2016-2017.	Effect of Corona on our education and culture. Prof. U. Chakraborty	The epidemic has compelled us to remain indoors to maintain social distancing. Educational institutions are closed. Online teaching method has been adopted. A large number of Poor students are being deprived of learning as they can't afford expensive smart phones. Our cultural side also remained paralysed due to this abnormal situation.
36			

SIDHO KANHO BIRSHA UNIVERSITY

A Project submitted in partial fulfillment of The requirement for the Honors Degree of Bachelor of Computer Science

ONLINE CAR RENTAL SYSTEM

Paper:-BSC-CC14 Year of Examination:-2021

Submitted by

Sinjini Halder Roll- No.-2018-19/118641-1813996 Sujata Mahato Roll.No.-2018-19/118641-1814009

Manashi Mahato Roll No.-2018-19/118641-1813920 Sudeshna Seth Roll No.-2018-19/118651-1814522

Of

NISTARINI COLLEGE, PURULIA

SYNOPSIS OF THE PROJECT

Online Car Rental System is the most complete web portal for managing car rental business. It is a system designed specifically for medium and small car rentals business. The Online Car Rental system provides complete functionality of listing and booking car.

The project is divided into two parts one containing the administrator part and other containing the user part

Administrators of this car rental website can add new or change locations, vehicle pictures, rate card.

<u>Admin Module</u>: Login form, approve the user registration and their car rent request, printing booking details. Upload car images along with car type, rent card and hiring location.

In user part user can register himself/herself thorough a registration form and after the approval by administrator user can login and see availability of the car along with their type, picture, rent and hiring location and also can hire the car.

<u>User Module</u>: Registration form, Login form, module for availability of the car, and booking form.

A MAJOR PROJECT ON

TOUR AND TRAVELS

Submitted by

AmitaMahataKuntiMahato
(Reg. no.-009835 0f 2018-19)(Reg. no.-009884 of 2018-19)Roll no:118641-1813860Roll no:118641-1813910

SaradaMahatoSumanaDigar (Reg. no.-009959 of 2018-19) (Reg. no.-009982 of 2018-19) Roll no.:118641-1813986Roll no.:118641-1814010 **B.Sc. in Computer Science**

6TH SEMESTER

Under the Guidance of Lecturer Department of Computer Science In Partial Fulfilment of the Requirements for the 6th Semester of B.Sc. in Computer Science

Year of Examination: 2021



NISTARINI WOMEN'S COLLEGE, PURULIA

Abstract

The Tours and Travel Management System is a web based application. The main purpose of "Tours and travels management system" is to provide a convenient way for a customer to book hotels, flight, train and bus for tour purposes. The objective of this project is to develop a system that automates the processes and activities of a travel agency. In this project, We will make an easier task of searching places and for booking train, flight or bus. In the present system a customer has to approach various agencies to find details of places and to book tickets. This often requires a lot of time and effort. We provide approach skills to critically examine how a tourist visits and its ability to operate in an appropriate way when dealing with the consequences of tourism, locally, regionally, and nationally including visitor security and ecological influences. It is tedious for a customer to plan a particular journey and have it executed properly. The project 'Tours and Travels Management System' is developed to replace the currently existing system, which helps in keeping records of the customer details of destination as well as payment received. Project on

ONLINE SHOPPING SYSTEM

Submitted by:

IPSITA SARKAR (Reg. no. 009876 of 2018-19)

[Roll no. 118641-1813902]

SNEHA BONDYOPADHYAY

(Reg. no. 009970 of 2018-19)

[Roll no. 118641-1813998]

SHAMPA MAHATO(Reg. no. 009962 of 2018-19)

[Roll no. 118641-1813989]

PARAMA AMRIT (Reg. no. 009918of 2018-19**)**

[Roll no. 118641-1813945]

PRIYANKA PATRA (Reg. no. 009936 of 2018-19)

[Roll no. 118641-1813963]

In partial fulfillment for the award of degree of

B.Sc

In

COMPUTER SCIENCE NISTARINI WOMEN COLLEGE, PURULIA SIDHO-KANHO-BIRSHA UNIVERSITY

2021

ABSTRACT

This project is a web based application where users or customers can get the information about different types of handmade crafts. The documentation provides an overview of all proposed features that the system may include, as also the procedures to develop the same. It contains the details about objectives, advantages and the scope of the project, the process model, primary requirements, team structure, risks involved and the cost analysis of the project, etc.

In this website we gathered details of various handmade products for the convenience of customers. It needs to be noted here, that the system requires the user to have a reliable internet connection. Also, there is no scope honor any human interaction if one or more users have some query. However, when implemented effectively, the use of this WebPages help to save human effort, time and resources.

SIDHO KANHO BIRSHA UNIVERSITY

A Project submitted in partial fulfillment of The requirement for the Honors Degree of Bachelor of Computer Science

ONLINE VOTING SYSTEM

Paper:-BSC-CC14 Year of Examination:-2021

Submitted by

Anamika Mahato Roll. No.-2018-19/118341-1813861 Debalina Pyne Roll.No.-2018 19/118641-1813892

Tarubala Mahato Roll. No. -118341-1814021

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Anushree Mahato Roll.No .-118341-1813870

Of

NISTARINI COLLEGE, PURULIA

Scanned with CamScanner

ABSTRACT

Online Voting is a college based website that leads a college inmanaging the whole voting process in various posts like: GS, AGSetcin amuchmoreeffective than

manual voting. It has three parts- (1) voter(normal user),(2)Candidate,(3)Commissioner and(4) Admin. Anyone can come to the website and see if there is any votingprocessgoing on,

they can apply for voting or for the candidate posts a per criteria.Genuinityofvoterswillbe checkedwithhelp ofcollegeidandGmail verification. Voting date, result date, accepting voter orcandidate requests all are in commissioner control. Andcommissioner is in admin control. In future, we will try to implementbiometricauthenticationofvoters.

THE IMPACT OF COVID-19 PANDEMIC ON BIODIVERSITY IN INDIA

SUBMITED BY

NAHITA SING PATAR

ROLL: 118641, NO :1813935

REGISTRATION NO: 009908 of 2018-2019



ENVIRONMENTAL SCIENCE

1666666666677777777777777777777777777

NISTARINI COLLEGE, PURULIA

TERM PAPER SUBMITED FOR PARTIAL FULFILLMENT OF THE DEGREE OF " BACHELOR OF SCIENCE" IN ENVIRONMANTAL SCIENCE OF SIDHU-KANHO-BIRSHA UNIVERSITY, PURULIA(2021).

DEPARTMENT OF ENVIRONMENTAL SCIENCE

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This certifies that *Nahita Sing Patar*, bearing Roll-118641 No-1813935, Registration No-009908 of 2018-2019 carried out the investigation in her B.Sc (Hons) course in Environmental Science. She has incorporated the Term paper works in this project entitled "*Review the impact of COVID-19 pandemic on biodiversity in India*"under my constant supervision and guidance . She has fulfilled all the basic requirements and followed the work and regulations relating to nature of investigation as lay down by the Institution. This work embodied some results of original observations made by her and is submitted in partial fulfillment of the degree of B.Sc (Hons.) in Environmental Science of the Sidho-Kanho-Birsha University, Purulia.

Dr.Moumita Sinha

Dr.Indrani Deb

Department of Env.Science

principal

Nistarini College Purulia

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ACKNOWLEDGEMENT

I convey my heartiest thanks to Dr.Indrani Deb ,principal ,Nistarini College ,Purulia for her constant support ,guidance and co-operation.

It's may opportunity to acknowledge the warmest gratitude to my esteemed guide Dr.Moumita Sinha, Department of Environmental Science, Nistarini College, Purulia. I am greatly indebted for her untiring guidance, Constructive and meaningful suggestion and inspiration throughout the entire period of my work.

I fervently desire to record my sincere greatfulness to Sri.Priobrata Mukherjee, Dr.Sabyasachi Mukhopadhyay and Smt.Sayantika Dey Department of Environmental Science, Nistarini College, Purulia for their Constant encouragement and valuable suggestions without which it would not have been possible to carry out this project.

I am also greatfull to Sri.Debasish Das Karmakar ,Non-teachinng faculty Department of Environmental Science Nistarini College, Purulia .

Finally I am deeply indebted to my parents ,and my friends for their cooperation and good wishes.

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Signature

Place - Nistarini College , Purulia .



The COVID-19 pandemic has impacted every sphere of human society. The paradigm shift of focus to COVID-related research and management has significantly affected various scientific domains including biodiversity conservation. The Brief outlines how biodiversity loss is a key driver of emerging infectious disease and poses a variety of other growing risks to businesses, society and the global economy. Investing in the conservation, sustainable use and restoration of biodiversity can help to address these risks, while providing jobs, business opportunities and other benefits to society. The Brief then examines how governments are factoring biodiversity into their stimulus measures and recovery plans in practices. The Brief concludes with policy recommendation on how governments can better integrate biodiversity into their COVID-19 stimulus measures and broader recovery efforts.

MILLILLILLILLILLILLULLILLULLILLULL

REVIEW THE IMPACT OF COVID-19 PANDEMIC ON BIODIVERSITY IN INDIA

TERM PAPER SUBMITED FOR PARTIAL FULFILLMENT OF THE REQUIREMENT

FOR THE DEGREE OF " BACHELOR OF SCIENCE" IN ENVIRONMANTAL SCIENCE (HONS). AFFILIATED TO SIDHU-KANHO-BIRSHA UNIVERSITY, PURULIA(2021).

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ACKNOWLEDGEMENT

I would my thanks to DrIndrani Deb, Principal, Nistarini College, Puruliafor her support and guidance.Then Iconvey my thanks to my honourableMadam DrMoumita Sinha, Head of the Department of Environmental Science of PuruliaNistarini College under Sidho-Kanho-BirshaUniversity,who first teaches me about the term paper work. I am very helpful for her constant guidance

and valuable helps and I also pay my heartiest respect to the other faculty members of the department of Environmental Science for their inspiring guidance. Without their help it would not have been possible to complete this term paper.

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signature_____



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THE IMPACT OF COVID-19 ON DIFFERENT SECTORS OF INDIA

FOR PARTIAL FULFILLMENT OF THE DEGREE OF B.Sc. IN ENVIRONMENTAL SCIENCE OF SIDHO-KANHO-BIRSHA UNIVERSITY (JULY, 2021)

Submitted by

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<u>Abstract</u>

The novel corona virus (COVID-19) has created a worldwide biological disaster. This virus can spread very fast and affects large number of people. During this pandemic period, many people lost their lives. For breaking the chain of spread of corona virus, doctors and government suggested people to strictly follow home quarantine. To keep people safe and prevent the spread of this virus, government declared lockdown. As a result of sudden lockdown, industries, market, transport systems, schools, colleges etc. all became shutdown. Nowadays, pollution is our biggest problem. Developing countries like India face various problems regarding pollution. But lockdown create a difference in pollution level. Many studies shows that in lockdown period air quality improved, water pollution decrease, noise pollution lessen; many polluted rivers like Ganga, Yamuna and other rivers restore themselves and improve the air quality. In this period, environment changes in the good way. It is true that Covid -19 helps to lessen pollution but it also create a huge amount of biomedical waste, plastic waste, municipal wastes, economical losses, effected education system, psychological problems etc. Many people losses their jobs. In this term paper, it has been mainly discussed with the help of secondary data, the effects of Covid-19 pandemic situation and inconsequence of that the long period of lockdown and restrictions on environment in India.

Acknowledgement

I convey my heartiest thanks to Dr. Indrani Deb, Principal, Nistarini College, Purulia

for her constant support, guidance and co-operation.

This is a golden opportunity to acknowledge the heartiest gratitude to my honourable

Professor Dr. Moumita Sinha, Head of the Department of Environmental Science of

Purulia Nistarini College under Sidho-Kanho-Birsha University, who first drew my

attention to the dissertation work.

Respected madam, by her wisdom, prudential direction, supervision formative and

meaningful suggestions guided me to complete the present dissertation work.

I would express my gratitude to Prof. Priyabrata Mukherjee, Department of Environmental Science of Purulia Nistarini College, under Sidho-Kanho-Birsha University valuable advice, active suggestions and constant good wishes during the

tenure of the dissertation work. His whole hearted co-operation inspired, encouraged

and full of vividness to complete the dissertation work. I am full of gratitude on him.

I would like to mention the name of my other respected Professors, Dr. Sabyasachi Mukhopadhyay and Smt. Shayantika Dey, without their active cooperations, inspiration, initiative to perform my day-night hard working for perfection,

this dissertation work would not have been completed this hard project. I would also

full of gratitude and respect for my fruitfulness of work.

I am also grateful to our departmental staff like Sri Debasish Das Karmakar, who whole heartedly co-operate me from

their heartiest wishes beside which I could not complete my dissertation work.

I would like to express my psychology from this project work if like such cooperation available from every corner of my college, hostel and also from some

helpful public, I am agreed to take any kind of higher responsibility in my educational

life in future.

TERM PAPER OF COVID-19 IMPACT ON ENVIRONMENT

FOR PARTIAL FULFILLMENT OF THE DEGREE OF 'BACHELOR OF SCIENCE' IN ENVIRONMENTAL SCIENCE OF SIDHO KANHO BIRSHA UNIVERSITY (JULY 2021)

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Abstract

The novel corona virus (COVID-19) has created a worldwide biological disaster. This virus can spread very fast and affects large number of people. During this pandemic period, many people lost their lives. For breaking the chain of spread of corona virus, doctors and government suggested people to strictly follow home quarantine. To keep people safe and prevent the spread of this virus, government declared lockdown. As a result of sudden lockdown, industries, market, transport systems, schools, colleges etc. all became shutdown. Nowadays, pollution is our biggest problem. Developing countries like India face various problems regarding pollution. But lockdown create a difference in pollution level. Many studies shows that in lockdown period air quality improved, water pollution decrease, noise pollution lessen; many polluted rivers like Ganga, Yamuna and other rivers restore themselves and improve the air quality. In this period, environment changes in the good way. It is true that Covid -19 helps to lessen pollution but it also create a huge amount of biomedical waste, plastic waste, municipal wastes, economical losses, effected education system, psychological problems etc. Many people losses their jobs. In this term paper, it has been mainly discussed with the help of secondary data, the effects of Covid-19 pandemic situation and inconsequence of that the long period of lockdown and restrictions on environment in India.

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Acknowledgement

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for her constant support, guidance and co-operation.

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Professor Dr. Moumita Sinha, Head of the Department of Environmental Science of

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I would like to mention the name of my other respected Professors, Dr. Sabyasachi Mukhopadhyay and Smt. Shayantika Dey, without their active cooperations, inspiration, initiative to perform my day-night hard working for perfection,

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their heartiest wishes beside which I could not complete my dissertation work.

I would like to express my psychology from this project work if like such cooperation available from every corner of my college, hostel and also from some

helpful public, I am agreed to take any kind of higher responsibility in my educational

life in future.

ECOLOGICAL RESTORATION AND ENDANGERED SPECIES

Term paper submitted for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Environmental Science (Hons.)



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I express my sense of gratitude to Dr Indrani Deb, Principal, Nistarini College, Purulia, for her constant support and cooperation.

I am grateful to my teacher, Dr Moumita Sinha, Department of Environmental Science, Nistarini College, Purulia, for her valuable advice and kind help.

I am thankful to my teachers, Sri Priyabrata Mukherjee, Mrs. Sayantika Dey; Department of Environmental Science, Nistarini College, Purulia, for their valuable advice, cooperation and inspiration.

I convey my heartiest thanks to my teacher and supervisor, Dr Sabyasachi Mukhopadhyay, Department of Environmental Science, Nistarini College, Purulia, for his inspiring guidance and valuable help, without which it would not have been possible to carry out this paper.

I am also thankful to Sri Debashis Das Karmakar for constant support during the course of study.

Finally, I am deeply indebted to my parents for their cooperation and good wishes, which always inspire me to go ahead in life.

Date: 07.07.2021 Place: Purulia

Shiuli Mukherjee

ABSTRACT

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To assist the recovery of an ecosystem which has been already degraded, damaged, or destroyed; ecological restoration is one of the important process. Endangered species are those animals that face the risk of extinction from the planet altogether conservation of endangered species helps in the preservation of the habitat for most species of animals. Current review conducts text excavation and sensing analysis based on the results of earlier research on endangered species to present practical beginning and conservation methods by identifying endangered species and ecological restoration research trend in India. The ICUN Red Data Book listed 41,415 species, out of which 16,306 are endangered species; this is an increase from 16,118 last year. This includes both endangered fauna and endangered flora. India has 132 species of plants and animals listed as critically endangered. The results indicate that the recovery of endangered species was socially and scientifically strict. It will be helpful to understand the researcher's trends of endangered species in India.

Keywords: Ecological restoration, endangered species, IUCN Red Data Book

7

AVOID PLASTIC TO RESTORE ECOSYSTEM

Term paper submitted for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Environmental Science (Hons.)



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I express my sense of gratitude to Dr Indrani Deb, Principal, Nistarini College, Purulia, for her constant support and cooperation.

I am grateful to my teacher, Dr Moumita Sinha, Department of Environmental Science, Nistarini College, Purulia, for her valuable advice and kind help.

I am thankful to my teachers, Sri Priyabrata Mukherjee, Mrs. Sayantika Dey; Department of Environmental Science, Nistarini College, Purulia, for their valuable advice, cooperation and inspiration.

I convey my heartiest thanks to my teacher and supervisor, Dr Sabyasachi Mukhopadhyay, Department of Environmental Science, Nistarini College, Purulia, for his inspiring guidance and valuable help, without which it would not have been possible to carry out this paper.

I am also thankful to Sri Debashis Das Karmakar for constant support during the course of study.

Finally, I am deeply indebted to my parents for their cooperation and good wishes, which always inspire me to go ahead in life.

Date: 07.07.2021 Place: Purulia

Bidisha Singha

Dedicated To My Parents & Teachers

ABSTRACT

Amassing of plastic on the environment adversely affects wildlife or human. Plastic pollution occurs in many forms and not limited to littering, marine debris, plastic particles water pollution, plastic netting and friendly floaters. A huge percentage of plastic production each year is used to make single use, disposal, packaging items or products which will get percentage thrown out within one year. The marine environment is unlikely to return to the condition it was in before to the condition it was in before the 'plastic era', it is an example of an environmental restoration challenge where successful governance and environmental stewardship would likely result in a healthier global oceanic ecosystem. Animal can be significantly harmed or killed by plastic pollution has potential to poison animals, which can then affect human food supplies. Plastic pollution has been described or the types of plastics. The addition of chemical is the main reason why these plastic have become so multipurpose, however this has problems associated with it. Some of the chemicals used in plastic production have the potential to be absorbed by human beings through skin absorption. Chlorinate plastic can released harmful chemical into the surrounding soil, which can then seep into ground water or other surrounding water sources .This can cause serious harm to the species that drink this water. Polystyrene is the most common types of ocean debris. The accumulation of plastic and products made of plastic in the environment lead to plastic pollution. This imposes a hazardous effect on wildlife and human food

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chain. The vulnerable ecosystems are demanding to stop the use of plastics. To restore the environment as a whole, the advance human beings need to think about the alternate, just not to stop pollution but to commit our next generation also.

MICRO-PLASTIC A HIDDEN THREAT

Term paper submitted for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Environmental Science (Hons.)



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This certifies that Miss Susmita Haldar, bearing Roll- 118641 No. 1814018, Registration number-009990 of 2018-19 carried out the term paper entitled "Micro-plastic.....a hidden threat" in her B.Sc. (Hons.) course in Environmental Science under my constant supervision and guidance. She has fulfilled all the basic requirements and followed the work and regulations as lay down by the Institution.

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I am grateful to my teacher, Dr Moumita Sinha, Department of Environmental Science, Nistarini College, Purulia, for her valuable advice and kind help.

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I convey my heartiest thanks to my teacher and supervisor, Dr Sabyasachi Mukhopadhyay, Department of Environmental Science, Nistarini College, Purulia, for his inspiring guidance and valuable help, without which it would not have been possible to carry out this paper.

I am also thankful to Sri Debashis Das Karmakar for constant support during the course of study.

Finally, I am deeply indebted to my parents for their cooperation and good wishes, which always inspire me to go ahead in life.

Date: 07.07.2021 Place: Purulia

Susmita Haldar

ABSTRACT

6

Plastic debris can come in all shapes and sizes but those that are less than 5mm in length, or about the size of a season seed are called, "microplastic". Human inhabitants are using ocean as their household dustbins, and it is one of the components which are not only polluting shorelines but also freshwater bodies globally. Microplastic contamination within the marine environment poses a severe threat, not only to marine biota, but to human via food webs and bio-amplification. Microplastics are an emerging global environmental contamination that is affecting multiple spheres. Despite their ubiquity in all spheres of life and ecology, little is known about the health effects of microplastic exposure to human. Microplastics exposure can affect toxicity through oxidation stress, inflammatory lesions and increased uptake or translocation. Several studies have demonstrated the potentially, neurotoxicity and increased cancer risk. Microplastics are universally found in terrestrial ecosystems and are increasingly recognized as a factor of global change. Key words: Micro-plastic, pollution, environmental contamination.

OVERPOPULATION-THE ALARM

Term paper submitted for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Environmental Science (Hons.)



Submitted By

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This certifies that Miss Sutapa Patra, bearing Roll- 118641 No. 1814019, Registration number-009991 of 2018-19 carried out the term paper entitled "Overpopulation-the alarm" in her B.Sc. (Hons.) course in Environmental Science under my constant supervision and guidance. She has fulfilled all the basic requirements and followed the work and regulations as lay down by the Institution.

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Acknowledgement

I express my sense of gratitude to Dr Indrani Deb, Principal, Nistarini College, Purulia, for her constant support and cooperation.

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Finally, I am deeply indebted to my parents for their cooperation and good wishes, which always inspire me to go ahead in life.

Date: 07.07.2021 Place: Purulia

Sutapa Patra



Overpopulation refers to an uninvited condition in which the number of existing human being exceeds the actual capacity of the Earth. It has many causes which range from a decline in the death rate and early marriages and many more. In this term paper the main focus is on the issue of over population and its impact on the environment. The growing size of the global population is not an issue that appeared within the past couple of decades, but its origin come from the prehistoric time and extent to the very present day. Throughout the history, acknowledged scientist introduced the concept of "overpopulation" and predicted the future consequences if the world follows the same behavioural pattern. Modern medical facilities and illiteracy in some interior regions of developing countries are the major reasons for development of this inverted pyramid demographic structure. Migration is one of the components that encouraged population rise, which imposes severe threats to the environment. Over population has resulted in a series of catastrophic consequences by causing increased pressure on existing natural resources. Urbanization destroys natural habitats and reinforces carbon dioxide emission, which causes climate change and global warming. Species becoming extinct and humanity is at threat that it set up for itself. Food scarcity shortages of water as well as lack of opportunities and inadequate education are the results of global inequality. Uneven distribution of natural resources, financial means, individual rights give rise to poverty and definite global culture as greedy, despite the aid of international organization and agencies. Solution to overpopulation lie in the effort of national institutions to implement policies that will correspond to the guidelines given by international institution that work for the best of global community.

The current population of World is almost 7.7 billion. According to highest estimate it may lift upto 16 billion and according to lowest estimate it may decline to 6 billion. Some steps have to be taken immediately, such as we should educated our people, we can concern people how much effective is this topic for upcoming future, make new policies and impartial sharing of resources must be ensured so that population could be controlled.

Keywords: Overpopulation, urbanization, migration, global inequality.

THE IMPACT OF COVID-19 ALL OVER THE WORLD

Term paper submitted for the partial fulfillment of the requirement for the Degree of Bachelor of Science in Environmental Science (Hons.)



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This certifies that Miss Krishna Mahato, bearing Roll- 118641 No. 1813908, Registration number-009882 of 2018-19 carried out the term paper entitled "Micro-plastic....a hidden threat" in her B.Sc. (Hons.) course in Environmental Science under my constant supervision and guidance. She has fulfilled all the basic requirements and followed the work and regulations as lay down by the Institution.

hatopaltop

Dr Sabyasachi Mukhopadhyay State Aided College Teacher (Category-I) Department of Environmental Science Nistarini College, Purulia-723101

ABSTRACT

The corona virus is an ongoing pandemic situation. The outbreak of covid-19 leads to emergency of the Global pandemic. More than 216 countries are struggling against the transmission of the disease. More than 30.369 million confirm cases and more than 0.948 million deaths. Everything has been impacted. Most of the Nations adopted partial or complete 'lockdown' and imposed 'social distancing' to control rapid transmission of covid-19 and its consequences. Though global economic growth declined due to nationwide lockdown, there are certain positive impact on environment. The effects of nationwide lockdown aiming to community transmission COVID-19 on animal life behavior and atmospheric environment in different aspects. In the lockdown period, the levels of Nitrogen dioxide and carbon emission remarkably decrease in atmosphere due to restricted consumption of fossil fuel by industries, thermal power stations and air transportations. The concentration of Nitrogen dioxide dropped by 45-54 percent in the atmosphere. The intensities of particulate matters PM2.5 and PM10 decreased by 43 percent and 31 percent respectively, at lower atmosphere indicating improvement in air qualities in different parts of world caused by less

traffic and construction activities. SPM reduced up to 15.9 percent ,showing improvement in surface water quality. Noise pollution remarkably dropped below 60 dB. The behavioural changes of wild animals, birds, butterfly, pets and Street animals that reflect on ecosystem indicate the non-interference of human activities on lives of natural creatures during lockdown period. Lockdowns and loss of tourism revenue also create challenges for protecting wildlife.

Key words: Covid-19, pandemic, Lockdown.

A LITERATURE REVIEW ON ORGANIC FARMING AS SUSTAINABLE AGRICULTURE

Submitted by

MANTU BHANDARY

ROLL –118641 NO - 1813922 REGISTRATION NO – 009896 OF 2018-2019



ENVIRONMENTAL SCIENCE NISTARINI COLLEGE, PURULIA

LITERATURE REVIEW SUBMITTED FOR PARTIAL FULFILLMENT OF THE DEGREE OF 'BACHELOR OF SCIENCENVIRONMENTAL SCIENCE OF SIDHO-KANHO-BIRSHA UNIVERSITY (2021)

A LITERATURE REVIEW ON

ORGANIC FARMING

AS SUSTAINABLE AGRICULTURE

FOR PARTIAL FULFILLMENT OF THE DEGREE OF B.Sc. IN ENVIRONMENTAL SCIENCE OF SIDHO-KANHO-BIRSHA UNIVERSITY (2021)

Submitted by

MANTU BHANDARY

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Prof. Priyabrata Mukherjee

Principal's Signature

Department of Environmental Science

Nistarini College, Purulia

ACKNOWLEDGEMENT

I convey to my heartiest thanks to Dr. Indrani Deb, Principal, Nistarini College, Purulia, for her constant support, guidance and co-operation.

I would express my gratitude to Dr. Moumita Sinha, Head of the Department of Environmental Science of Purulia Nistarini College under Sidho- Kanho-Birsha-University, for her valuable advice and kind help, encouraged, active suggestion,cooperation inspired, good wishes during this work.

This is a golden opportunity to acknowledge the heartiest gratitude to my honourable professor, supervisor, Priyabrata Mukherjee, Department of Environmental Science of Purulia Nistarini College, under Sidho- Kanho- Birsha-University, who first drew my attention to the literature review work. Respected sir, by his wisdom, prudential direction, supervision formative and meaningful suggestions guided me to complete the present review literature work.

I would like to mention the name of my other Respected Professors, Dr. Sabyasachi Mukhopadhyay and Mrs. Shayantika Dey, without their active co-operations, inspiration, initiative to perform my work would not have been completed this project. I would also full of gratitude and respect for my fruitfulness of work.

I am also thankful to our departmental staff Sri Debasish Das Karmakar.

I am also thankful to Dr.Mohinder Slariya, Associate Professor Govt.College, Chamba, Himachal Pradesh and Professionally Sociologist but working on the aspects of Environmental Sociology with Climate Change issues in Himalayan (Western).

I am thankful to Dr. Jayanta Choudhary, Associate Professor, NIPRD-NERC, Chairman of Global Forum for sustainable rural development.

And also I am thankful to Dr. Pratap Toppo, Head of the Department of Forestry, Indian Gandhi National Agricultural University, Raipur, C.G.

Finally, I am deeply indebted to my parents for their co-operation and good wishes, which always inspire me to go ahead in life. And also I am thankful to some helpful public of my neighbours who helped for complete this work.



Modern agriculture used with modern techniques and tools to maximize productivity of food products with the high use of chemical fertilizers and pesticides created negative impacts on the environment by affecting soil fertility, water hardness, genetic variation in plants, increase in toxic residue through food chain and animal feed thus increasing health problems and degradation of environment. To solve the above problems many scientists and research scholar researched on 'organic farming as sustainable agriculture' and I also have selected on it as a literature review to provide aware to people about the harmful effect of chemical on human health, soil and environment. In which, as a alternative way, organic farming can provide healthy, safe good quality food without adversely affecting soil health and the environment. In this review literature, I have collected data from many sources like other review literature, many research papers and many websites etc.

> Keywords ---- Sustainable Agriculture, Soil Productivity, Food security, Organic Farming, Modern Agriculture.

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Entitled " LITERATURE REVIEW OF ORGANIC FARMING AND SUSTAINABLE AGRICULTURE, THE

ENVIRONMENT" Under her constant supervision and guidance he has work fulfilled all the basic requirements and followed the work and regulations relating to of investigation. This Term Paper work "Organic Farming and sustainable agriculture" Is summited in practical fulfilment of the degree of B.Sc. (Hons) in Environmental science of the Sidho-Kanho-Birsha University purulia.

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Dr.Indrani Dev

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ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my teacher "Mr Priyabrata Mukherjee" for their able guidance and support in completing my project.

I would also like to extend my gratitude to the principal Ma'am " Dr. Indrani Deb"for providing me with all facility that was required.

This is a golden opportunity to acknowledge the heartiest gratitude to my honorable professor Dr Moumita sinha, Head of the Depertment of Environmental science of Purulia Nistarini college under Sidhu-kanho-Birsa University.

ABSTRACT

Organic farming is a from of agriculture in which agriculture land is cultivated with out the use of artificial fertilizers or artificial pesticides, growth, regulators and livestock feed additives. Sustainable agriculture is the practice of farming using principle of ecology. It enhances the Microbiol activities and increase soil health organic farming is an efficiance and promising agriculture opproch for environmental sustainability as it provides yield stability, improved soil health.

To find out the relationship between sustainable agriculture and organic farming and the control the pollution of water and soil, conserves energy and reduces greenhouse gas emissions.

During my study time I visit different web sides and consult with different paper and books and from there taking the all types of information about the sustainable development agriculture and organic farming and also food security which is very helpful to environmental protection like soil conservation,water pollution control, so in the reviews. I find that a sustainable agriculture organic farming of the complement. Each other and both are beneficial for the Sustainable development farmers.

Key words-Food security, sustainable agriculture, Warmer, climate change, nutrition and health effects

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ENVIRONMENT" Under her constant supervision and guidance he has work fulfilled all the basic requirements and followed the work and regulations relating to of investigation. This Term Paper work "Organic Farming and sustainable agriculture" Is summited in practical fulfilment of the degree of B.Sc.(Hons) in Environmental science of the Sidho-Kanho-Birsha University purulia.

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ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my teacher "Mr Priyabrata Mukherjee" for their able guidance and support in completing my project.

I would also like to extend my gratitude to the principal Ma'am " Dr. Indrani Deb"for providing me with all facility that was required.

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Key words-Food security, sustainable agriculture, Warmer, climate change, nutrition and health effects

LITERATURE REVIEW OF ORGANIC FARMING,

AND SUSTAINABLE AGRICULTURE

SUBMITTED BY

ARCHANA GORAIN

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ENVIRONMENT® Under her constant supervision and guidance he has work

fulfilled all the basic requirements and followed the work and regulations relating to

nature of investigation. This Term Paper work "Organic Farming and sustainable agriculture"

is summited in practical fulfilment

Of the degree of B.Sc. (Hons) in Environmental science of the Sidho-Kanho-Birsha University purulia.

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ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my teacher "Mr Priyabrata Mukherjee" for their able guidance and support in completing my project.

I would also like to extend my gratitude to the principal Ma'am " Dr. Indrani Deb"for providing me with all facility that was required.

This is a golden opportunity to acknowledge the heartiest gratitude to my honorable professor Dr Moumita sinha, Head of the Depertment of Environmental science of Purulia Nistarini college under Sidhu-kanho-Birsa University.

ABSTRACT

Organic farming is a from of agriculture in which agriculture land is cultivated with out the use of artificial fertilizers or artificial pesticides, growth, regulators and livestock feed additives. Sustainable agriculture is the practice of farming using principle of ecology. It enhances the Microbiol activities and increase soil health organic farming is an efficiance and promising agriculture opproch for environmental sustainability as it provides yield stability, improved soil health.

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Key words-Food security, sustainable agriculture, Warmer, climate change, nutrition and health effects

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This certifies that Punam Gorain , bearing Roll-118641 No. 1813969, Registration No- 009942 Carried out the investigation in her B.Sc.(Hons)Course in Environmental science. She has incorporated the Term paper works in this project entitled "LITERATURE REVIEW OF ORGANIC FARMING FOOD SECURITY, AND THE ENVIRONMENT" Under her constant supervision and guidance he has work fulfilled all the basic requirements and followed the work and regulations relating to nature of investigation. This Term Paper work "Organic Farming food security and the environment" is summited in practical fulfilment of the degree of B.Sc.(Hons)in Environmental science of the Sidho-Kanho-Birsha University ,Purulia.

Mr. Priyabrata Mukherjee Department of Environmental Science Nistarini College, Purulia

Dr. Indrani Deb Principal Nistarini College, Purulia

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I would like to mention the name of my other respected Professors, Dr.Moumita Sinha, Dr. Sabyasachi Mukhopadhyay and Smt. Shayantika Dey, without their active co-operations, inspiration, initiative to perform my day-night hard working for perfection, this Term paper work would not have been completed this hard project. I would also full of gratitude and respect for my fruitfulness of work.

PUMAM GORAIN

ABSTRACT

This paper presents a methodological framework for the systematic literature review of organic farming food security and environment. Organic farming is a modern and sustainable form of agriculture that provides consumers fresh natural farm product. Organic farming works in synchronisation with nature rather than against. A convergence of factors has made food security one of the most important global issue. Organic farming is more. Sustainable than conventional organic farming is a modern and sustainable way for consumers to combine natural farm products with nature rather than organic farming .

Organic farming foods are rich in nutrients. There is no damage to soil as no chemical fertilizers are used in the organic farming. Organic farming is not the paradigm for sustainable agriculture and food security, but smart combinations of organic and conventional methods could contribute toward sustainable productivity increases in global agriculture.

Keywords:

Food security, sustainable agriculture, Environment effect, Economic, Nutrition and health effect, climate change.

IMPACT ON BIODIVERSITY FOR FOREST FIRES IN THE AMAZON RAIN FOREST, 2019



Submitted by

PALLABI MAHATO

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Smt. Shayantika Dey Dept. of Environmental Science

Principal

Nistarini College, Purulia.

ACKNOWLEDGEMENT

I convey my heartiest thanks to Dr. Indrani Deb, Principal, Nistarini College, Purulia for her constant support, guidance and co-operation.

This is my opportunity to acknowledge the warmest gratitude to my esteemed guide Smt. Sayantika Dey, Department of Environmental Science, Nistarini College, Purulia. Her whole heated co-operation inspired, encouraged me to complete the dissertation work. I am full of gratitude on her.

I would express my gratitude to Dr. Moumita Sinha, Head of the Department of Environmental Science, Nistarini College, Purulia, for her valuable advice, active suggestions and constant good wishes.

I would like to mention the name of the other respected professors, Dr. Sabyasachi Mukhopadhyay and Prof. Priyabrata mukherjee, without their active co-operations, inspiration, initiative to perform my day-night hard working for perfection. This dissertation work would not have been completed without them. In this dissertation paper I will discuss the "Impact on Biodiversity for Forest Fires in the Amazon Rainforest 2019", followed by an analysis of forest fire data from previous years as well as new information from published research about the 2019 forest fires and future ramifications.

Before I discuss about my topic, it is necessary to get some information about the Amazon Rainforest.

The Amazon rainforest is the world's largest rainforest is at the risk of getting burned out completely. The rainforest, which contributes about 20% of the earth's oxygen .This basin encompasses 700,000 km square (2700,000 sq mi) of which 5500000 km square (2100000 sq mi) are covered by the rain forest.

The majority of the forest is contained within Brazil with 60% of the rain forest, followed by Peru with 13%, Colombia with 10%, and with minor amounts in Bolivia, Ecuador, French, Guiana, Guyana, Suriname and Venezuela. Amazon rain forest is the largest and most biodiverse tract of tropical rain forest in the World, with an estimated 390 billion individual trees devided into 16000 species. More than 30 million people of 350 different ethnics groups live in the Amazon, which are subdivided in 9 different national political system.

The 2019 Amazon rain wild fires season saw a year to year surge in fires occurring in the Amazon rain forest and Amazon biome with in Brazil, Bolivia, Paraguay and Peru during that years Amazonian tropical dry season as slash and burn method are used to clear the forest to make way for agriculture, livestock, logging and mining, leading to deforestation of the Amazon rain forest. The increased rates of fires counts in 2019 lead to international concern about the fate of the Amazon rain forest, which is the world largest terrestrial carbon dioxide sink and plays a significant role in mitigation global warming. IMPACT ON BIODIVERSITY FOR FOREST FIRE IN

THE AMAZON RAINFOREST

Submitted by

ΜΙΤΗυ ΜΑΗΑΤΟ

ROLL: 118641 NO: 1813923

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ENVIRONMENTAL SCIENCE

NISTARINI COLLEGE, PURULIA

TERM PAPER SUBMITTED FOR PARTIAL FULFILLMENT OF THE DEGREE OF " BACHELOR OF SCIENCE " IN ENVIRONMENTAL SCIENCE OF SIDHO-KANHO-BIRSHA UNIVERSITY , PURULIA (2021).

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This certifies that Mithu Mahato bearing Roll–118641 No-1813923, Registration Number – 009897 of 2018-2019 carried out the investigation in her B.Sc. (Hons.) course in Environmental Science. She has incorporated the term paper works in this project entitled "IMPACT ON BIODIVERSITY FOR FOREST FIRE IN THE AMAZON RAINFOREST", under my constant supervision and guidance. She has fulfilled all the basic requirements and followed the work and regulations relating to nature of investigation as lay down by the institution. This work embodied some results of original observations made by her and is submitted in partial fulfilment of the degree B.Sc.(Hons.) in Environmental Science of the Sidho- Kanho- Birsha University, Purulia.

Smt Shayantika Dey Department of Env. Science Nistarini College,Purulia Dr. Indrani Deb Principal Nistarini College,Purulia

ACKNOWLEDGMENT

I convey heartiest thanks to Dr. Indrani Deb, Principal, Nistarini College, Purulia for her constant support, guidance and co-operation.

It's my opportunity to acknowledge the warmest gratitude to my esteemed guide Smt. Shayantika Dey, Department of Environmental science, Nistarini College, Purulia. I am greatly indebted for her untiring and guidance, constructive and meaningful suggestion and inspiration throughout the entire period of my work.

I fervently desire to record my sincere gratefulness to Dr. Moumita Sinha, Dr. Sabyasachi Mukhopadhyay and Sri Priyabrata Mukherjee Department of Environmental Science, Nistarini College, Purulia for their constant encouragement and valuable suggestions without which it would not have been possible to carry out this project.

I am also grateful to Sri Debasish Das Karmakar, Non teaching faculty Department of Environmental Science Nistarini College, Purulia.

Finally I am deeply indebted to my parents and my Friends for their cooperation and good wishes .

Date

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Place: NistariniCollege, Purulia

Signature

ABSTRACT

The Amazon rainforest, covering much of north-western Brazil and extending into Colombia, Peru and other South American countries. It is the world's largest tropical rainforest, famed for its biodiversity. Amazon rainforest is situated in 3°27'55.1" South and 62°12'57.17" West. The area of Amazon forest is 5.5 million km². Over 3 million species and over 2500 trees species found across the Amazon rainforest biome.

4

The Amazon forest fire was started in September 2019 and it was end July 2020. This fires normally occur around the dry season as Slash and burn methods are used to clear the forest to make way for agriculture, livestock, logging and mining, leading to deforestation of the Amazon rainforest.

Forest fire in the Amazon have had a devastating effect on biodiversity. The burned area is 906,000 Hectares of forest within the Amazon biome has been to fires in 2019. And many animals, small plants, large trees, and various species have been burned to death.

THE EFFECT OF THE TROPICAL CYCLONE "YAAS" TO THE SOUTH-EASTERN COASTAL AREAS OF INDIA 2021



SUBMITTED BY

NIBEDITA MAHATO

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REGISTRATION NO : 009909 OF 2018-19

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ENVIRONMENTAL SCIENCE NISTARINI COLLEGE, PURULIA

DISSERTATION SUBMITTED FOR PARTIAL FULFILLMENT OF THE DEGREE OF B.SC IN ENVIRONMENTAL SCIENCE (HONS) AFFILIATED TO SIDHO-KANHO- BIRSHA UNIVERSITY, PURULIA, W.B

Cyclone Yaas is about to hit India's East coast and forecasts have predicted that the cyclone will turn into a severe storm on May 25, before making landfall near Odisha's Balasore coast. While this is a good time to get supplies and stay ready for the incoming storm, it is equally important to be ready with up-to-date information on the cyclone's path and other developments.

Users can track Cyclone Yaas live with Esri India GIS map by simply using a browser.

Cyclone Yaas that made landfal in Odisha May 26, 2021, damaged large tracts of crops, affecting betel-vine farmers, paddy farmers and vegetable growers in Kendrapara, Balasore, Mayurbhanj and Bhadrak districts.

ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES)

TOPIC: AIR POLLUTION AND ITS CONTROL

SUBMITTED BY-



STREAM	:	B. A. /B. Sc (PROGRAM COURSE)
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SIDHO-KANHO-BIRSHA UNIVERSITY

2021

বায়ুদুমণ ও তার জোতবগর रिश्वाद्वाद्वा अन्न हात शत - आतिमाम्बस बाह् लि बिह्न विह्न यह মহার লাইমানে জিলিত হজায় উচ্চত পরিমিতির জন্য মানুম ও ভার পরিবেশ জিমগলেরে ক্ষান্তিজন্ত হলে তাকে বামুদ্রুগণ বলে । পরিজেমকি পার্কিন্ডা জাঁর রাটি 'Air Pollution' বহুতে বলেছেন মে - হাবের বাইনের জোবহুরাঙ্গলে এক যা একগর্দিক জাত কাত বন্দু মেনল काऊ दिर्भा, धूलिकना, गाम, र्याहा, कांगज़, दिर्माना अध्यव याम्पत ম পরিমান উপার্জাতি ও মতক্ষণ জ্ঞামি ঘলে মারুষ, জীবজন্তু সেমবা উদ্দিদ इलाएक लाक अवन्यातनः, त्वदन्दे वामू घुछवा वला इम्र । উপরিউদ্ভ উদ্রগুদ্ধা দুটির পরিম্প্রাক্ষিতে বনা সন্থ যে, মারুমের লারি দান্থিক বায়ুমুন্ডলে দেবাস্কিত ও দুষিও পদ্দর্থের উপজিতি বিপন্তনক মাজা তনতিজন 'করলে জীবজনতের পরে যে কাতি হয়, তাবে কারু দুছণ বলে। জোগামিক বামুদ্দুম্বক – আরুতিক ও মনুম্যসূর্ত্ব- উৎস থেকে উপান্ন য়ে মৰ দ্বেক সরস্য বিশ্ব প্রায় ও নিজন বায় দুয়ক বাদুর জাদুর জামনিক यामुहुष्ठवर वलि । अर्थ ह्मवर छनि छल – यगर्यताज्ञ छार्यभार्षे (CO), नाई खेंगफ तन जान्यार्थे , जानगगातन व्यस्थार्थे , शर्थ खायणर्वन अध्य छ (बाँझा , झावे अग्रवन , भू जिनना, जनागतनमु ७ निष्ति अनगत हार्श्वाम । निद्य यासुमुङ्गात आह ८० कारणा था- अर्थ आधायिक वासुमुङ द्वारा द्वारा द्वार enter 1 Page No - 01

ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES)

TOPIC:

BIOMEDICAL WASTE AND ITS MANAGEMENT

SUBMITTED BY-



STREAM	:	B. A. /B. Sc (PROGRAM COURSE)
SKBU ROLL	:	118151
NO.	:	2014336
REGN. NO.	:	010316 OF 2020-2021

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े किन मिकिडमा यही ह रेशाव जुवझावना :

क्रियाछव "भिछ अख्यकभीय निक्रीय यां वाया वा त्वान कराव मन उत्मवयायात्राना त्य जायक्र मन उत्मवयायात्राना त्य जायक्र मन उत्मवयायात्राना त्य जायक्र मन दिनिक्र या त्यक्र निक्रिय वर्षा निर्दा क्रिया निर्दा क्रिया क्र

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मिनिग आ वर्ष ३ थः शायमाजाल रीहे भव : कहा रिक स्वा कि स्वाप्ताल, कीरें ग्रियमाजाल (वागी गाम यूपिकि प्रयान कायान त्वान यूपिन अन्ना भित , ताम युद्ध न यह : प्रय शायमा कार्य दे जीन (वान अन्ना भित , ताम युद्ध न यह : प्रय शायमाना कार्य की र र्या के राहा कि कार्य कि स्वान हो का कार्य नाह कार्य कार्य कि कार्य कार्य कार्य कार्य कार्य कार्य कार्य कार्य कार्य कि कार्य कि कार्य कि कार्य कार्य कि कार्य कार

कल्कार प्रेक्ट क्वीट एस. रन्मके मीकप्रका शिखप्र" क्रमासक्ष क्वि करीए १९८९ इक्वेक प्रश्वमीन आलः प्रस्तीन ज्ञारहेक , हा जिड कार्या प्रश्वविने हमुक्वीट हाकाल छे व्हिए आलः हाकः रा त्याहेक , हार्य इंद्र क्वेंच करीए १९८१ हाकाल छे व्हिए १९४३ हायः हार्व्य ह्यू

·WHO - 99 आए (सरिकाल / हिनेक आ बार्कान सेवन द्वीत

ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES)

TOPIC: GLOBAL WARMING

SUBMITTED BY-



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 :
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रिष्ट देवायन विश्विका • आर्थेस एपति आत्राहातेर द्वेशेविस तिमाझ आलामवा २एम स्थिवीए नामित्र दिनामाइ पक जुलह उद्वेर 1 (उद्दे उद्वेर () न नाम श्लाह निवेश्व देश्वायत या स्त्रायल उग्राम्वि । (माहा शिल्ह ourse marloys der das relats ougengar अख्य जिन रुहल ८०२ भन अखिआत पठोने रुगिन (आहाए ए ज स्रीत राजेम - 9 आश्रेमण रहिए, मान द्रेवा द्रार्था दे दि (जिं मिला ति) तिष्ठे ख्र देवांहर्भ वा (आयाल् उर्ह्या रहे तला देहे। मि - निम् देशाइनिय कार्वन 0 जाक्तिक कार्य • 0 के देवी आठित में हा आधा कि ेविवा - यहार रिंग्री- 3 स्थित आती मेंबेल रावा राक कम आफ िरात ज्वियीए लाउठ मुद्र तन्ध्रात िखिला आलिक्काफ्ल लाका २ए धेरे जुप होने होन क्य अरुमारे ह रखि खािकलिए राइ किर्व खाठ मारि। Scanned by Scanner Go

ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES)

TOPIC: WILDLIFE CONSERVATION

SUBMITTED BY-



 STREAM
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 B. A. /B. Sc (PROGRAM COURSE)

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 1735412

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स्थित अग्रेकारि केर्द्र्य सिश्चिं र रेग्यहाय त्य लाग्रियालय : विकल्पन अह प्राप्ति हुए। लड़रही अग्रीष्ट्र हेएक्वरिन झेल्लान अभिनेत्राक, अस्तित्भ, भारतिवलाष, अद्याया, - 319 (वाराज, 312) हारी, 6माबी आत. आआग, विश्व 300 वायानावि द्रांश्य वियल्वित विश्वाय उद्याया इन्। क्रीश्रय लियालिय या मे यो जिया मालि इति मा मेर के मि मि के मि (हर छित राज्य (अलाभेछ) हे खिरायमा राखि रेस्ट्रि (अपिरि) চিত্র 18.14 ঃ মুগার (কুমির) (Halle). 24 ald 3132 al a start a sund 51/a (4021 - Star aller - MED. Elever S. e. 1) Red for a mapling all arous II) temates a fill manual

उन्सितिंश खातअश्या अश्य्यातिय खाता, अम्बिदिक्षेश द्वियेव

garade (UNUP, United Nations Development)

भागिक सार्याय हेमार उम्पा राग्याता राख्यात

127) अध्यत्रित अभाहा अन्द्र इशिवत्वर्ण IN) SILE CALLE 1) Cran 39:3259 10 AD 36 10 AD आर्यविश त्रीयविश भग्रतीय र्घ अयार्य भारत के कि वि हरे वार्त्व अप्रिशिष अग्रेग, स्थेर खार्खिय तथाह जिहाय आग्रि तजीहेर मुख्यां मनेवाय्तिति वर अध्ययां प्रमेश विभावत स्वित्य द्विया जावन यादा ठाखनाव रे आहे गाह-उटताव हार्थित प्रधा देखा देख: 7) 2105/1312 342- 93 alla 231 21M. Colardalla वीवहरे)' हिडण दुनागीय' आगावा अगि द्राही आए' (आड वर तइ भी, आर्ग, आयान, उद्धव आर्थन, क्षा अरिन डेयुना करेविये यहां गिळ्लियारी यत्त उठापुर गरेवी जावि वाठ्ये 21021 11 अर्थत वर्ष्ट अवरिश ल्याव ट्युव्युक्ट) र्थ् या स्वत् । विश्वि द ताह हेर्दित उठ आती अवाधिक जाही वाय 6 खिल गरायाय मारायाय दिविमीवय केवि-२५ कोरि करुं. 18 विद्या - 31 छात्र दि अहा वर भिष्ठीय र राष्ट्र वित अखार स्वित्व अस्ति दुहे अ इव दुन् अस्ति। 111) अख़ना उना खानमें अधान एकः एक आह खाइ हिन आनाआ in) अंग्रे आय हारे आकार्त्य के का का का का का का का का का ALGANS SCIENE QUE A areal sygallas algored and solares (noton a) CACTO) LUIGA 2310 alla

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AL OLIAL AUGU RISMONISCE WILLIE ON GALLE AND (Sink) । जानेत्र अभव, जीवान्स द्वानानि उवः सीवएत्रित र्य्ति कार्येत हे अव खर्म आहे आहत कार्य हे हिल्ला होत अखवी लिखित वाहि (वाखत आ (भा वा र मित व सिन ते दि मेर अङ्ग्वार मिहत्यन मार्य राष्ट्रवारा द्र भार आत विर्धत and a Callela and a grander Sar Das alas alas al 1924 218 (21)31 ्रिये विश्रुत्वे यारेव :-ONDAL Q2 5 DASKI CAPICA SUB SUB SUB SUB SASASISIS 21/52 aldered als aller als aller (getones to give) 201 221 30 316 gaianger Ronge 316 as all the रेष्टि भरवा तर्द्यका कार्या ह दबलाकी अप्रवित आहाना र्जेश्वर्द्ध्य रेग्रीयुर्गियर खोर्य आर्थ्य २९. छार्व असमाधि अभि श्वाश हाखिए अर्थने विखाय अर्थने विखाय अर्थने (छिन्द्राखार) होत स्त्राम स्ट्रांगी यह 401 × 2) होडाल हाहा हाल कि वहाया अगित त्यु दीरी जे व्यानां (अविने त्याहिका किंद की दार्जीय त्राद्रियां देवा द्वा दीम्द्री लगाउन दिना के राखा (भेरेगे विंग विंग विरायिं देखें का का की की की कि कि 318 (508 (0.6 mog 2 m / 3023) 1 अरेगी दिरोविंद अर्जितो संग्रि आरेग उटलिं कि कि योग रेखः 1) ट्या रे 03: 100 मिय - 31: (2) दि रिका भाः द्वा अः धाम अधिय आख हम्मेवनील त्र भीलक छा छोटी रेट लाउँवा लाह दीव दी ?! जार्था भरेते अखिक दिस्मिति अखी अय हार्यात्र भरेत Wer was she as outrie your potrolia Applan SLE 1

11) कारिय किछा कि का का का मात हाल र भाष विशिधने कि हारी जाया जाया काय्य कार्य में मेर भारत कार्य में के का जाय भारिताम महिंद्र जारंग स्वरम जाय महा का मान मह रामिता रहार होता वाहता वाहता राहार राहारा हा alanal 21001 111 अर्थायों आउग्र राष्ट्र आयाः आया आयित अधिमय अर्थायायी अन्त्राह्य आदिगोय डाह्य (त्रागा : aucou यायाय त्याद्वील किश्वायुर्ग् माय भग्रम निर्धाय के कोहि कीति मास्य। जासल भारता मार्थिन अभ्य भाषायाधा आदगार नाया व्यक्तिमां विद्या in) रायादिकम अविवालनः भरता अर्यन अस्ति अभिक आधार स्वाहि के अनिवालन का की मा आवालन हो छोटा आहे जाइना सिंग विश्वय जवाह भगवा कीत्र कार्यता Marchi देशिय क्यूत :- विभि देश राजा - बार्डा देय हाते. elades and the willing and and and and and and and - 2012 अस्त अहात महार Current of Sugar also Blarcon मार्धार दीर्द्र में शिकाक मास्त्र कार्यात दीमाद रामायाद वाखींत देशिंश भारेगी स्थिति वयुद्ध आहेत । vi) अहना निर्दाखड़ आना)ना आहतमीने इन नरीमाह रहि ह जलगित निर्मात, अएक विश्वित उत्तात उत्तव विषामंत John 1 *) जाहा हराय कार कर दाव भाग विधित खेतः यत्र अत्य प्रत्य खरात्त खरात्त्व राष्ट्री हा हा भाषात play anothe Basis Mascurate parties pular allow 20 31 31 201201

3.) ७४३वा तिधेन अत्व किंत लेखिरकन अख्या?-अर्थ्यायहास अख्यायित अर्ध्याद वार्ध्वाय अश्वया अर्था हो दिख द्रिटा क्था रंभः 1) अखालाइ सिल्स जास्त्रात खिल खेन जाखात इन्जिलांबेठ असीर वा आर्थ माथा अख्ये हमेंट भारत मुख्य मिया स्थित क्ये। अहिया अतिव अध्व विश्ववित्र व्यत्ति व्यति प्रति व्यते विद रह बादतन्त्री तार दाउर बार 1 व राष वा बिडाकार को दाद ्रिह विलिय में वार्याता द्वारा वार्य। 11 दिए - अखाल अखा विशिवाद कहन आखल उदा (दिशा दिए लायि। धार्य हार्शवि कि ि अव अति अयाव भाव अयाव अवि त्राप आर्थ उस हार्र ियर हिंदर बार्ड आर्ड भारत भारत का का का आधेराम) एक रेवचारिय मुद्ध लाखेरिय भाषा थित रिहान (35 31214 38 अहल 503 de areal and 50 50 312 लाखिता। यहन तिति हारसाथ हाथताणिय मेथा अस्ता अस्ता allac shi get ad and and a cide and and 120 contes Bar Flor Sallow on 21 21 21 20 Con 2112 521 iii) अखना सिंगाल का ल रेखिड़ जनवान उत्ता उठ् अनिसान as a log 200 200 1 and alle and real and a set (proposical Excre) 2220 221 05 ausia marsha 200 22 स्तित जालर सम्बेआधत अत् एगनात गार्ड रुग्। in addite addite the ge alle and and (sea * 22 () भारत द मिहत्द सीयडर) जालाति कर कानछ. 20/24 200 50)/12 (21/21/2 2) मेरिक 2 20/ 2/2 2/2 1 मील जी मुझे अस्टाय भी दि कार्य - 31124 खेख लाय गा 1 200 cherron 1915

अग्रिमाप र्जान जातमाय जेत्रिक के जेत्वाय यह वाजमात्रा 1) तर्रती विहाय रूजि आसं महाखिर वाद्र हार्डवामाउदिय उछि वर्ति। यार्थ हार लाखाइह तुवः अग्रित्रिये यह वानआवार मेरी भारत कार्य कार्य हाल कार्य मार्ग পরিবর্তন হাতি। 1) 212 59/201 मार्ग राष्ट्र राष्ट्र राष्ट्र भारी भारता है। यात् राष्ट्र का द्वाती जा जित दिया रिव कि आहे। वालाछ खिर्दाक्र आयेति दिन उखादमय काय काय काय 210 221 1 12241 36 75Rd :-श्ययोत्हि स्थि उपशिवार उपरेश्व असि असि असि असि बाहिडिग्र देखवार्रें विदेखने तर लीबीरे आग्रायार्त्य अग्रिय भरेपोलाल द्याप्रि वैख्याय से जिल्लापि द्रा भेरताय हिलाय यहा का कीय रेडि. भयताय, उत्यहन মহায়ে হায় প্রার্থিয় এয়িজে - সর্বর্ষ, আরহাজবের সারাহ अर्थे अन्दे भिन्न होति लाही दि भार कि दि भार कि दि भ अखिल्लन कार्यान अध्य अखित याखा दल। 1, ग्राया हाउन्त्र गांध लाखिक गांध का लाखनाया उद पथारीय प्रिति के के कि इति। ii) आदित रामिही रही वार रही कि कार्य जार्य (iii) ्मात्रमान जान्नाधिव : उत्त यहा द्वाहा राख्या, राजि-र तरहा(वह (0) खार (2) हाहिगाहा का 63 31 22 अर्रि वर्ष यथा विश्वि लागि। iii) जानानि आई आई दी कार्य ही कार्य कार कर कर का मार रश्यके अभे दुई बागविश होशाव दिखा की बाहित का वा या सारणावित उत्तर्भाता द्वारणाद्व अग्र द्वि । रेपिंदत आवतास्ति जी से छ हा आवरवर रास उतर रासे

Water ad stall, (affances ta trien) dal 221 1 325 ala - यथरिति विश्व मेठ यही के भीव अपने द्वित ... वल्लीय वियसित क्या सेक रेडिया े यत्वित खोर खार्यक डाण्ड्रा यहात यहाय होता. देख्या दिनादा जारेगी साम्हारीय रेप्हा अध्य द्वार्थ कर थार्थे के यार्थे के यार्थे के यार्थे के यार्थे के यार्थे के यार्थ उत्तरहत (attonesta - him) 932 व्रते रते द्व (repeasing and Maline and signer भिरेवी लक्षिके क स्थिति इस खानन करें वेनरे में भरेंगे उम्हात लह्युहर्ष सेवः उपरेश्य, उपा इते। 1) ABSAIS IR LEET OLIME ala ala al ala Currisourillent Frindly) ICII and CIS and a can are desugar सार गारा सुरु 1 25 8 मा जारवरीय यहां राये 2 स्वित गाति । खिन्द्री यास् आग . याग्रे भाव निर्यादय या करित अधिता अर्थियुश्हित अवाय खोरिषेय आग्र वामुलि भिया क्षि द्यादा मेह आहे का दे दे दे हो के आहे आहे आहे दिन द खारुगा रित्रि हम। जान्मा ह नामे गा जा जा दा दा 5/a 6 altran 28831051051 - आपर सिर उत्त की दिए जात बामा हु बाम गर रि पिः जिति सि वर्ष पि कि साथि।

পরিবেশ পরিচালন চিত্র 18.15 ঃ ওয়ানগারি মুটা মাথাই পুনঃবনসূজন এবং পরিবেশ সংরক্ষণে অবদানের জন্য মাথাই - 2004 সালে 'শান্তি' ক্ষেত্রে নোবেল প্রাইজ সম্মান লাভ করেন *) दाय्विय ७१३२१ ७११मा ११२ यह भान ७१२ भा 1226 2110 tralling, alger order apple (Mationa FORSt Policy) statister Organizational 2131022 2 240/ 6 (213 des 1 5/ 2/ 3/20 अयुत अग्रधीत 3 लाउादिव टाल भारतेल अग्रिय 32 22011 alatic, 214232 60 24215 26 Q1241 Q120742 51201 81801 193 28/215 2 रेखानं विरं 20 अग्रे लर्थ गार्थिया (SULSO रिच्छी 2 24015 24 12/21 012/21 21202/12/2 ala) 3100 . 01120 2021 - 5221312 TO 24016 201 39 1 Jec. à Lesse 2.5/0 100 012211/2 53 201 रियम लाहान उभेने साथ ट्यार विराभ खर भार भार 15 Na 220 Ordel

ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES)

TOPIC: ENVIRONMENTAL MOVEMENTS IN INDIA

SUBMITTED BY-



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- 1901Cal Concertered an upollar केंद्र रिक्ट इस उक्साक लादम्यलन या सम्मेरियानी जार्म्स खोठीप्रयान राजाय र अहा. अन्यास आईग्राम्ड लाल्यसमह अयुग्वन कटन् । वह त्यात्मर्थित जीमाटिंगा उदा आहित लार्टे होते हिता थ ्य (कार्य दिलाएग जाए तका एक 1990 मिर्मिटीय Basiande mound Jonian Con angige Demos

. ભારે દેશ્નોર ાદ્વન્યાલય Environmental Movements Environmental Movements ભારે દ્વભ્રે ગે હવાર કે કે ગે ગાલા ભારે હત્યાં ગે ગાંગા ભારે દ્વભ્રે ગે ગાંગ દ્વાર કે ગાંગ ગાંગ ગાંગા આ ગાંગ આ ગાંગ ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા આ ગાંગ આ ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા આ ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા આ ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા ગાંગા આ ગાંગા આ ગાંગા ગા

ON

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TOPIC:

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ENVIRONMENT

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तिन उसारात इसिनाः-सिनुरुप्रेनी उन्हार रहित खरीर कार्यत रही TAL STRENTERS TO TO THE SCONTER IN ELEANES द्यगढ हार्य हरीहर महाह तिर्दाह खतः कुई दिनेषु न्हाल जासक जिस्तिहर्साल रेश्व निर्दा राष्ट्रायोग महाह त्यात राष्ट्रा असे छपा रहायहि OF THE WEAR STON OTRANT The ANGUN माठ ७ होस्त राष्ट्र वर्गमहत हारित । प्रमुख राष्ट्र इत कोराख्य उत्पनमंड (एरक्ट - नगराता, इतिय (62) ATER GRAGE TONE TONE (62) ASTSI 220 205172 158/120 55 2525 2000 6/2130 EAJ TING 2017 OBRE AR BIRG TAR उग्र जरामाउठ वाश्वचात्र प्रा रिख्य उद्याग्रात्र म्र) स्टार्ट पार्श ा रिस् उस्मतिर उर-331 :--3 5 6 3 17 10 200 स्ट्रिव गार्ष्यात विद्यमिक प्राला के जिन-- Cartas takazar casa angazar 63-3755 FRI THE ZISSI ALTRE THE 22 are the apparties the star ovar and the allexites for 22 the sand - उद्दुलिस रग राज्य अधारात् रही राज्य माग्राही (CO2, NO2, CHQ, CFCS) - ONG TTO TTO AVERTO मिक उद्यारा रार) Scanned by Scanner Go

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FIELD WORK / TERM PAPER / DISSERTATION

(ENVIRONMENTAL STUDIES)

TOPIC: NATURAL HAZARDS

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প্রাকৃতিক হুয়েনি আৰুতিক দুযোগ নানুষের আহা- আমাজিক অবস্থার केनर खाल्ड्ल खालात उद्याहर जहान का दिल आङ्चिङ प्रत्यारे आङ्छिङ इहमान । ज्यावार उत्ना याय आग्र अत्राद्ध त्रंग अम्रत पुर्वनित, ह्यम्रत उन्हें हिर्मेक आग्रेय जेक्ट्र ग्रेय खाकुविक खार अव्यकि यदेवावनी या क्रूर्वाय बानवभ्ये द्वीन गुरुआदि देनक्रिलि कार्यात्र केन्द्रिक यहन जिखाहर या। आङ्ग्रिक दुर्धाना वनी मह्ह राजाक दार्गार हाह राह राह राह राह -विषय राह्य हिंद भारत यात्र स्थ. विषिन गुरुआदि यहन्नायहम् द्रेग्य ह्याना ह्नाजा । आङ्ग्वि दुर्घाहार निसार पयः खला श्रायेत्र अव दहाल जग्रान नम् । उनुङ दहालाव छूलनाम् श्रीवीव डेनुमनमोल हल्ला अस्ट्र प्रत्यांशस्ट জীৱন ও রাহ্মদ হানির পরিরান আনেক বেনি, वहां कार्यन उद्यांग सील दल्हा, द्वांश राष्ट्र-स्टेट यहे महारी हारिक्ष हेट हे हम्प्रीट रेडलच सेंदर आधी दिन करिं यहारहे।

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REPORT

ON

FIELD WORK / TERM PAPER / DISSERTATION

(ENVIRONMENTAL STUDIES)

TOPIC: WATER POLLUTION

SUBMITTED BY-



COUDCE)

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REGN, NO.	:	010905 OF 2018-19

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9.1 STAT (Introduction): कीयति का का अन्नविमार्ग । जाल त अन्म्राक्रिणि मेर्यते आतित छाष्ठिष्ठ कडायात्र गम्। अजिनीत जरि काम्राक्रेय गाम् २० माहा में होगाहर सक्षाहि , प्रहा देगारा होता कार ने ने दागार का या जावा राजिन कालान अधासास की का दान दान धान का आता कि अस्ति, क्रिंग २२ किंगस्त्र प्रसाद एकार्टिय जना (snund water) भग्र भरितात्र प्रक्रिय पत्तात् (Supface water) [गाझन 3 श्रीया रीन जिलाए अन जण्मान राज्य अत्र युचि । संघाड़ा आतू झर आर्यमञ्ची जिग्राइलाषि अग्रायेशन डाल मुझलिय याल काल प्रष्काहर गातका आग्र किला किलालाह जियाभि फालम्झत् अयुछि छालम्झरु, ठाल भूझत्र भिरुकार - १२ दिनन अलम्म एत्र महाय प्रया भाम मुझन असन उनार अण्यार जिल्लाहना यहा रसि छ। Phenni, waste float in Sarohai ols couple as tollar, duchi seu

দিন ৬। বলাকাতার সারায় সন্থাষ্য দ্বন গ্রহ দর্ রিজোর জীখন্য ৮

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ON

FIELD WORK / TERM PAPER / DISSERTATION (ENVIRONMENTAL STUDIES)

TOPIC: FOREST CONSERVATION

SUBMITTED BY-



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FIELD REPORT

A GEOGRAPHICAL STUDY ON FOLK VILL-AGE CHORDA OF IBAGHMUNDI PURULIA

Summary of the field report entitled "A Geographical Study on Folk Village Chorda of Baghmundi, Purulia"

Rural sectors in different community development blocks of Puruliya have various issues to resolve, according to the District Panchayat & Rural Development of Puruliya. These issues include irrigation, drinking water problems, employment, poverty, and so forth, according to the District Panchayat & Rural Development of Puruliya. Baghmundi is one of the district's most disadvantaged C.D blocks. Chorda has been chosen to study among the mouzas in the Baghmundi C.D block because of its fame as a maker of "Chhau" masks, also known as "Mukhos Gram." "Chhau" is a popular dance form and folk culture of the Puruliya district. Chorda Village of Puruliya District is popular for mask making. It has provided momentum to the overall economy of the concerned village and the village has become a place of tourist interest in Puruliya. Therefore, with this relevance, a geographical analysis on "Chorda" mouza has been performed to bring out the present scenario of the socio-economic condition and different problems of this village.

The major objectives of the study was as follows:

- To chalk out the present socio-economic scenario of Chorda village in the context of sustainability in rural livelihood.
- To identify the major problems and provide suggestions in that regard.

The report has been constructed by analysing the following aspects or chapters:

- Physical Background of the Village Chorda
- Demographic profile
- Economic Structure
- House Infrastructure and Basic amenities
- Socio-cultural life

After analysing the above mentioned chapters following problems has been identified:

Despite the fact that Chhau-mask making hub is a well-known village in the Puruliya district for its folk aspect, this mouza has some particular issues identified based on the findings of the previous three chapters, namely demographic profile, housing infrastructure and basic amenities, and economic aspect. The following is a list of the specific issues identified by chapter:

According to the calculated statistics, the sex ratio is unsatisfactory, however it can be attributed to regional measurement. Aside from that, the village has a total of around 32% SC/ST people, but the literacy rate is just 55.14 percent, which is not fair and might be attributed to a lack of education among the society's backward strata. The rate of female schooling is relatively low, at 36.72 percent.

The village's work participation rate isn't quite up to standard. Only 44.20 percent of the population is employed. The majority of the working population (61.67 percent) is employed as cultivators, agricultural laborers, and domestic industrial employees. As a result, the number of individuals employed in the government service industry is relatively small. The percentage share of the female workforce in marginal category is very high in comparison to the male workforce which is very fascinating.

The proportion of dilapidated dwellings is very high at 30.6 percent. The majority of the dwellings do not have concrete roofs; instead, they have roofs constructed of handmade tiles, which are infrastructurally unsuitable for rainy seasons. In majority of the dwellings, the walls and floors are also built of mud. Lack of electricity in most houses is also a big problem. In most households, the lack of proper latrine and bathing facility is a serious issue in terms of quality living.

There are no secondary or upper secondary government or private schools available in terms of educational amenities. There are no degree programs or higher education institutions within a 10-kilometer radius. Among the essential services, the lack of a health service center is also a hindrance. A substantial portion of the population collects drinking water from an unprotected well, which can be hazardous and lead to many water-related illnesses. In the village, there is also a lack of a waste disposal system, and drainages are open.

Based on the findings of the problems, few suggestions may be drawn or proposed which are enlisted below:

- Three basic sectors for determining the rural livelihood status are level and infrastructure of education which is represented by literacy rate, status of health service and work or employment opportunity. The findings have revealed that these three sectors need to be more developed aided with the administration.
- The need for education among the male and female population should be outreached.
- A Government degree college should be established nearby,
- Health service provisioning should be improved by the government as there has not basic health service centre or listed doctor and health worker.
- The work or employment sector should be aided by the government as the amount of marginal worker is very high in the village.
- As the village is renowned for its folk tag in terms of the Chhau-mask production, government capital investment and business opportunities should be increased for the betterment of the village economy as well as the extension of the filed.

The report has been prepared to focus on the geographical analysis of a folk village of Baghmundi CD block of the Purulia district. The report has been analysed and made based on the secondary data sources i.e. from census reports, published articles, the internet etc. Demographic analysis has revealed that the sex ratio is relatively lower than the district's profile and literacy rate also low. However, the level of education among the individuals has not been analysed due to lack of data which suggest a primary field survey to collect specific data required. Analysis of economic aspects of the households has exposed that share of marginal workers, interestingly female marginal workers are high in amount. Study of household infrastructure and basic services has shown various aspects that need careful provision of administration such as drinking water sector, health sector, education sector etc. As concluding remarks it can be said that despite being a village from one of the backward area of the Purulia district, it's well-known and renowned for its folk fame as "Mukhos Gram" and at present, it becomes a must-visit place for the tourist and visitors for its attractive and artistic "Chhau mask". This suggests that with the government help, the economy and other infrastructure could be further improved to some extent to grip the village's fame.



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This is to certify that the Field Report entitled "A GEOGRAPHICAL STUDY ON FOLK VILLAGE CHORDA OF BAGHMUNDI, PURULIYA" that is being submitted by Roll 118551 No. 1814575 Registration No. 010563 of the year 2018-2019 for partial fulfilment of the syllabus of B.A. Third year geography Honours 20.20 under SIDHO-KAANHO-BIRSHA UNIVERSITY, PURULIYA and is a record of bona fide work carried out by the student under my supervision.

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This is to certify that the Field Report entitled "A GEOGRAPHICAL STUDY ON FOLK VILLAGE CHORDA OF BAGHMUNDI, PURULIYA" that is being submitted by No. 010499 of the year 2018 - 2019 for partial fulfilment of the syllabus of B.A. Third year geography Honours 20.2.Q.under SIDHO-KAANHO-BIRSHA UNIVERSITY, PURULIYA and is a record of bona fide work carried out by the student under my supervision.

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This is to certify that the Field Report entitled "A GEOGRAPHICAL STUDY ON FOLK VILLAGE CHORDA OF BAGHMUNDI, PURULIYA" that is being submitted by Roll 118551 No. 1814252 Registration No. 010241 of the year <u>2018 - 2019</u> for partial fulfilment of the syllabus of B.A. Third year geography Honours 20.20. under SIDHO-KAANHO-BIRSHA UNIVERSITY, PURULIYA and is a record of bona fide work carried out by the student under my supervision.



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This is to certify that the Field Report entitled "A GEOGRAPHICAL STUDY ON FOLK VILLAGE CHORDA OF BAGHMUNDI, PURULIYA" that is being submitted by Roll. 11.8551 Registration No. 010460 of the year 208 - 2019 for partial fulfilment of the syllabus of B.A. Third year geography Honours 20.20. under SIDHO-KAANHO-BIRSHA UNIVERSITY, PURULIYA and is a record of bona fide work carried out by the student under my supervision.

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FIELD REPORT

11

A SURVEY ON SOCIO-ECONOMIC STATUS OF CHORDA VILLAGE BAGHMUNDI PURULIA

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Summary of the report

Rural sectors in different community development blocks of Puruliya have various issues to resolve, according to the District Panchayat & Rural Development of Puruliya. These issues include irrigation, drinking water problems, employment, poverty, and so forth, according to the District Panchayat & Rural Development of Puruliya. Baghmundi is one of the district's most disadvantaged C.D blocks. Chorda has been chosen to study among the mouzas in the Baghmundi C.D block because of its fame as a maker of "Chhau" masks, also known as "Mukhos Gram." "Chhau" is a popular dance form and folk culture of the Puruliya district.

The report has been prepared based on the secondary data available and by analysing these data. Therefore, the process adopted to prepare the report involved two phases such as data collection and data analysis and representation.

Demographic data i.e. Primary Census Abstract (PCA) 2011 report was collected from the Census of India report, 2011 and 2001. Information regarding house infrastructure was also availed from HLPCA (House Listing Primary Census Abstract) of Census of India report, 2011. Maps of Land use/land cover, location map, mouza map was collected from District Census Handbook, 2011 (DCHB), District Gazetteer and published research article etc. The information about the socio-cultural life was also accessed from various research articles. The information of relief properties was gathered from topographical maps. The climatic data such as maximum and minimum temperature, rainfall etc. was collected from the metdata portal of the Indian Meteorological Department (IMD). After collecting all the data, these were shorted, categorised and statistical calculation was performed to represent graphically. Mainly Bar graph and Pie diagram were used to represent various aspects. Collected maps were light-traced and symbolised. Some information has been also shown in tabular form.

The purpose of this research is to focus on a geographical analysis of a folk hamlet in the Purulia district's Baghmundi CD block. The study was analyzed and created using secondary data sources such as census records, published papers, and the internet, among others. According to demographic study, the sex ratio is lower than the district's profile, and the literacy rate is likewise lower. However, due to a lack of data, the degree of education among the participants has not been examined, implying the need for a main field survey to get the necessary information. An examination of the economic characteristics of families revealed that marginal employees account for a significant portion of the population, with women accounting for the majority of marginal workers. The study of home infrastructure and basic services has shown a number of areas that require attentive administration, such as drinking water, health, and education. To sum up, despite being a hamlet in a backward region of the Purulia district, it is well-known and recognized for its folk fame as "Mukhos Gram," and it has now become a must-visit destination for tourists and travelers because of its appealing and artistic "Chhau mask." This implies that, with government assistance, the village's reputation.



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This is to certify that the Field Report entitled "A SURVEY ON SOCIO-ECONOMIC STATUS OF CHORDA VILLAGE, BAGHMUNDI, PURULIA." that is being submitted by...Sikha. Majhi Roll. <u>118552</u> NO. <u>1936303</u> Registration No...<u>010847</u>...of the year <u>2019-30</u> for partial fulfillment of the syllabus of B. A/B.Sc. Sem.-IV geography program course, 2021 under SIDHO-KANHO-BIRSHA UNIVERSITY, PURULIA and is a record of bona fide work carried out by the student under my supervision.

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ON

FIELD WORK/TERM PAPER/DISSERTATION ENVIRONMENTAL STUDIES TOPIC : CHIPKO MOVEMENT



Submitted by

Name : Ankita Das Dan

Department: Environmental science

College Roll. : 12

Sidho-Kanho-Birsha University

(SKBU)

2019



ON

FIELD WORK/TERM PAPER/DISSERTATION ENVIRONMENTAL STUDIES TOPIC : Effect of Overpopulation



Submitted by

Name : Soumi Bauri

Department: Computer science

College Roll. : 172

Sidho-Kanho-Birsha University

(SKBU)

2019

THE EFFECTS OF OVER POPULATION

Global Problems affect the life not only of certain individuals but the society in general. One of the global one of the global deilemmas that can consequently lead to the servere outcome is overpopulation. The major puppose of the paper is to discuss the problem of overs, as well as make an accent on the ways of regulation this issue.

AS a matter of fact, overpopulation is a modern ecological problem. According to the pecent researches the number of people increases every year with themendous speed. In 1900, the population reached the point of 1,5 billion of people whereas by 1960 the population has alpeady doubled. Moreover, by 1999, the population

Every person consumes a lot of persources, and overpopulation is considered to be a threat. The only solution is binth control and improvement of the quality of life. The human overpopulation takes place in those countries where the population is bigger than food and water perowees.

However, binth control encounters many obstacles. Among them are the following namely negative reaction of the society, the enormous note of religion that encourtage having many children. Phimitive communal forms of living, illiteracy and ignorance, poor development of medicine, and other. Thus, the countries of the third world are the most vulnerable in pelation to the over population

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES

TOPIC : Waterborne Diseases



Submitted by

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(SKBU)

2019

15.4 gataling (and (Water borne Diseases) 15.4.1 simarizo gara ante la garanzi? स्टलांड अध्योद्धि, अप्रतित्रवे- अर्धुडि, स्रेम् विष्यकि सेल्म्याद्य दिग्रा के उर्ग्याद्ये - विश्वि एराहेर्य वर्णन avi Cargadore afairt st- 15232 setti this server along along the Contention :: 102 201 - 1 200 - viste multiple sustant malertaler (micronutmients) zrjøj- særerjør rorr-Lough's wat slot analsder - l'see theyt - 34-1, -33, 3464-2Jug 2 J'3 24. 2 Auranda Jaslars- ander white (gundiger: routerpars-(ruche express 15.4.2 gardings angen- Grang Gen (Types of water borne Disease) छेल्गकात्रिक द्वित्व क्रिक्षीलाक छिन- छार्ह्सकः @ sussenter (and - (communicable Diseases) : - (ara sustand - stade- (ters reternets rissonale liser sir presentes alle were

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES

TOPIC : Soil Pollution and it's effect



Submitted by

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2019

10.1 Starr: - (Introduction)	
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1. मिस्रिय - ट्रंग आ भूमिकाती टाइवम्स बाकार्टात्रेग, ट्रबार्ट्टम्ट्रका या, क्रीका	देहा दलोत्र ब्युक्रिकालत आर्यकुला त्रावेक ला व्यक्तिग कत्रल क्याते किल्हास अस्तिकाल्या, 'मज्यक्ति', 'मज्यक्ति', 'मज्य क्या, ' ज्यावा,

Q

ON

FIELD WORK/TERM PAPER/DISSERTATION ENVIRONMENTAL STUDIES TOPIC : Forest Conservation



Submitted by Name : <u>Sweta</u> Sen Department: Music College Roll. : 1700

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(SKBU)

2019

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ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : MICROPLASTIC IN DRINKING WATER



Submitted by

Name : Anima Mahato

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(SKBU)

2020

Microplastics in drinking Water What are microplastics?

As a category, microplastics encompass a vide range of materials composed of different substances, with different densities, chemical compositions, shapes and sizes. There is no scientifically - agreed definition of microplastics, although they are frequently defined as plastic particles < 5 mm in length. Howevers, this is a rather arbitrary definition and is of limited value in the context of drinking-water since particles at the upper end of the size range are unlikely to be found in treated drinking-water. A subset of microplastice <1 pm in length are often sufferented to as nanoplastice.

In troesh water a wide variety of particle shapes have been tound while the polymers most troequently detected roughly considerates with plastic production volumes. In drinking-water, troagments and fibries were the proedominant particle A shapes and polyethylene terephthalate and polypropylene were the polymers most detected. It how do microplastics get into drinking watero?

Microplastics may enter drinking water sources in a number of ways: tron surface frun- off (e.g. after a stain event), to wastewater effluent (both troeaded and untroeated), combined geners overflows, industrial effluent, degraded plastic waste and atmospheric deposition. Surface suin-off and wastewaters effluent are succognized as the two main sources, but better data are succognized as the two main sources, but better data are succognized to guantify the sources and associate them with more specific plastic waste streams. Plastic bottles and caps that are used in bottled water may also be sources of microplastics in drinking-waters.

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Geothermal Energy



Submitted by

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Sidho-Kanho-Birsha University

(SKBU)

2020

GEOTHERMAL ENERGY Jeothermal energy is the thermal energy in the Earth's crust which originates from the formation of the planet and from radioactive decay of materials in currently uncertain but possibly roughly equal proportions. The high temperature and pressure in Earth's interior cause some rock to melt and solid martle to behave plastically. This results in parts of the monthle convecting upward since it is lighter than asurrounding rock. geothermal power, the term used for generation of electricity from geothermal energy. It is estimated that the earth & geothermal resources are theoretically more adequate.

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Waterborne Diseases



Submitted by

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Sidho-Kanho-Birsha University

(SKBU)

2020

রোগজীবাণু সক্রোমিত মানুবের মল রোগজীবানু সংক্রামিত भाषा अवर শানীয় গ্রহণ রোগ বিত্তারের মাধ্যম রোগাক্রান্ত মানুযের হাত 159 15.1 :- Carse 12317 20 12103- 24232 (32Mar 36,222) 15.4 5-00 ATI26 - CATST (Water-borne Diseases) 15.4.1 stortal 20- can ame in as caravis 2 attens setter - éthices et l'ense setters - sertes - sertes si l'élée éléter de l'éléteres serveres serveres 1 is 310 200 25 - 512 - 35mp - 35mm - 35mm - 5mm - 5mm - 5mm - 5mm - 5mm - 3, 12 - 5mm - 5mm - 5mm - 5mm - 5mm - 5mm Jerzon: wireren contrates, restringer, niceryne BOTTE , razier view Raiser (Silon ézterrojénovergenz (micronutrients) start syrandiz-5/29/3-Geran APRILE SLORE STATE STATES STATES 17; - and and grzon: carelare single SENT d by Scanner Go

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Chipko movement



Submitted by

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(SKBU)

2020

मिलाका जालालाता :- भाषाक प्राष्ट्रिक मिति नित्ति मेगान-- (नान- एक जरि: ज लप्रारे,

र्मिक उम्छ ज निरम भरितम जात्मालन जयत ट्यारे अभिको प्राएट राष्ट्र जित जर मात्रा मूरू राम्छिल जातक जाश रभाकर । ज मात्रार जकरि जण्ह श्रू भ्रू अ; का राला हिभाका जात्मालन । भाछ छ नन रकार पाना नाषरक प्रपिरम नेतर तम जरिः अ जात्मालन राम्छिल, ज हिभाका जात्मालन नाम भरिति । जात्मा ननही राम्छिल जा हिभाका जात्मालन नाम भरिति । जात्मा ननही राम्छिल एरराज उद्याधार ।

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Effect of Overpopulation



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Sidho-Kanho-Birsha University

(SKBU)

2020

द्विताः - अर्ग्यादक हात्रान्ड्या २ द्वान यहात अल्क छल्डाड्यात् हाला जार्थ्य लाह्य लाव दिख्यात्रां राग्य २२, राग्यल – गार्ग, ज्यालय, लाह्य, तिल्पूर्ण याथ २३, राग्यलय, त्वर्ड्यालिक गर्व, यहात हात्रान्ड्या त्रमालन रत्वीत्रालिक ज्यात्रेय द्वावना त्रम् हात्र श्रम् राग्य भाग २३, जाक्यक हात्व गत्रिलाव ज्वर्ण श्रम् याग्य २३, जाक्यक हात्व गत्रिलाव ज्वर्ण भ्रम्य राह्य याग्य अत्र हात्वा गत्रिलाव ज्वर्ण भ्रम्य राह्य याग्य अत्र हात्वा गत्रात्रात्व द्वीत्व वीत्व- लात्रिलाविक अत्यत्व ज्वात्वर्य्या गुर, अर्यु द्वीरि दीरि? वार्तिरिक 3 सामाजिय विष्टित्वनीम् स्टिलोक उत्तर 1 Oriolà 30 रात्म्याड्य) - Costro fortige and at रहा नवलाव- हाना सत्माका २७० व्यादि। स्टिल्स् होनेट्- ((सहार कुर्द्ध लग्नाट निर्माट निर्माट होनेट हे लाह किन्नुहोल गएए जाहनार कार्य जित्ता कि लिंग्रेट लेल्ने हुन्हें है लाह हाहनार निर्माट निर्मात किर्ता किर्माट नेग्नास्ट नेग्नास्ट हे लाह देएजास्ट होन्नोर्ट् निर्माट देख टालह्स्ट्री 10 - एगर गायता ग्रेट्स् रिएजास्ट होन्नोर्ट् निर्माट होण्ड, निर्मार्ट्स् जेन्हीर्ट् , ट्रिस्ट्र भाषा जाई खलाने आरे लागने अपने द्वान न्याने होलाने जासने स्थान भाषा आई खलाने जावन इन्ह्याचन कार्यन कार्यना होलाने जासी जासी कार्यना भाषा जाई खलाने जावन कार्यन कार्यना होता होता कार्यना कार्य कार्यना कार्यका कार्यना कार कार्यना कार्य में सिर्धान के कार्या का स्थित का स्थित का स्थित का में स्थान के स्थान के स्थान के स्थान के स्थान के स्थान का स्थान के स्थान का स्थान के स्थान का स्थान का स्थान के स्थान का स्थान का स्थान के स्थान का स्थान अखिति आय - रेट आय - रिग्राइ मा - रेटिय काला नाम 200 -> भारत ताह हैलिय हाता है जाह होता है जिन्हे जाह है जाहि हो है के देखा है के काहि काहि काहि काहि काहि के काहि का कि किर्णाहर हम हाराहर हरियान व्याहर कर्ट्स तमराहरिय महाराहर क Jeres Alarento Litro Sch alite i supering Dennal अहार-गर्न रेजाव- ह्य उसव व्यातार ट्यानूम ह्यानूमेल 200, -> अंग्रेम) किमान के आहार आहे हो की की कि का मार्ग के का मही? veren order and veren 'site air and a proper along

: পরিবেজের উপর ডানস্যাওগ্র্যা र्भित अखाय श्रूलि (लाखा:

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES

TOPIC : Water borne Diseases



Submitted by

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Sidho-Kanho-Birsha University

(SKBU)

2018

<u>एल</u>र्साश्च (ग़ाया : - उत्तलग आग्रेश आत्रास राग्ने आग्रेश आग्रेश आग्रेश रायाय उत्नमीम्प (याय रा 'अग्रेश राग्ने'' जिफिफ ' उत्ना २.भ, त्रायाय जीवा रा रियाद्व राख्न प्राय अन्द्रायि राग्ने के प्राय प्राय राग्ने राग्ने के राज्य आग्रेश राज्य प्राय प्राय राग्ने के प्राय राग्ने प्राय राग्ने राज्य राग्ने राग्ने राग्ने (श्मीरीशेर्टिय , रियाधीआग्रिय राज्य प्राय राग्ने राज्य राग्ने राग्ने राग्ने आजा जाजीव आजार क्रम शल अखाय जाने जीव जीव राग्ने राग्ने राग्ने जिहान उत्तरा राज्य राज्



ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES

TOPIC : Global Warming



Submitted by

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(SKBU)

2018

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सिंगोरमार संभन्धांत्रासाल मेहिली दिन्हार देन्हार देन्हार संस्थात राह्य संस्थान स संस्थान संस्थान

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रिश्वाम्नात्वरं कार्यतः रिश्वाम्नात्वरं कार्यतः रिश्वाम्नात्वरं कार्यतः म्यादारः कार्यतः कार्यतः प्रादाः विद्यं द्वित्व प्रमुद्धं कार्यतः प्राद्धं कार्यतः म्यादारः, कार्यतः न्यादाः कार्यत्वरः व्यादाः कार्यतः कार्यतः कार्यतः कार्यतः त्यादाः कार्यतः कार्यतः कार्यतः प्रादाः कार्यतः कार्यतः कार्यतः कार्यतः त्यादाः कार्यतः कार्यतः कार्यतः प्रादाः कार्यतः कार्यतः कार्यतः व्यादाः कार्यतः कार्यतः कार्यतः कार्यतः कार्यतः कार्यतः कार्यतः कार्यतः कार्यतः व्यादाः कार्यतः कार्यतः कार्यतः कार्यतः प्रादाः कार्यतः कार्यतः कार्यतः व्यादाः कार्यतः कार्यतः कार्यतः कार्यतः कार्यतः कार्यतः कार्यतः कार्यतः व्यापतः द्वात्वां कार्यतः कार्य

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES

TOPIC : ENVIRONMENTAL MOVEMENT



Submitted by

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(SKBU)

2018
atiatar organiara (Environmental Movement कि हार हरेका है देखा है ने माराप्ता , नार के कि हे महार के म जात्मालन जात्क वरितिंश जात्मालन चल । जनकारित र जिने हारिहा व्ययन जता राह्य जात्मालन रुष्ठ २४, ब्रह्मां यक जागलिएक हैं देवल महेवाल महेकर के काशीनाहाल का गरू, बन उ और प्रत्र निर्णहा जाह जाता तातात्रात्रत रुष्ण मुह्त - भ्राश्वित के जीवज जात्य बाह्य नाडा राजा कर्ष नाइग्र हता । रिखालर अध्यक ७ मिल्यामत् अद्री आही जाही जाही डिअकरत उद्धाय निर्मिशाय जाइता होए - सार्ग्स छ अदिल्ला मुस्टि राषाय वय त्यहा आत्र अङ्गि हागा म्याहायिछ डिलिंद (भारत) विश्व विद्यार्थ वार्ग लहत - 1873 उगला - 1 26 - आल लहत रिषिणाम २६४ जत्मर ' मूड कि ने रेटी का ला खानुष ु छाह हरेक प्राताल एउग्रान रूथ आर हेणहू हालामां हे हाल हराल

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निडेइसक	1953	200
नीरुन	1956	1006
26	1962	750
भन्न देशन	1963	200-400
)e	1966	168

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES

TOPIC : Importance of Biodiversity



Submitted by

Name : Rajashree Tudu

Department: History

College Roll. : 689

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(SKBU)

2018

Page no - 1 Altierus 23 (Impositance of Biodiversity) ुाक्तराञ् न्यिते न्यते क्ल ७ ज्यललात रप्रत्यकारी - प्रकल अम्भेर कोरत यही अश्लत कोरेमण उ खजादिना पर राजुणत्र मिल्तिल ए महत्या वार्ग्वा रहे राग्रि राग्रे स्वार्ग्वा वार्ग्वालन अधिन हाल हार्ग्राम तिलारान् हेर्नियम् लाउद्यान लाइउर्जत उ किम्यूय र्यातमक रलग २४ जीवितिप्र र राविविकि र रवाद्याय प्रतिहास दि राज र न्हार्यय बार्यान्त्र रहेत हिंदान लगाई हार्या होता है। हो हो हो हो हो है। भविशिका आपरम्ह रंग्रांत याता रंग्रा भविरेल्तिर रागार रागर ७४३--8.दिग्रह हम - हार्स्हाळ्युह , प्राहस्ह, ज्याहर्स हाळाहर्म्नाल ह रहा गर्म ब्रामार हथार हलायर हाहहाला हल्ह रहत तहत तहत हता हाहा ह अज्ञादित दिनि के खातित कार्यात राष्ट्राघ्र 1 दित जीवत वार्या क्रिन (भना सीख़ प्रार्थ (जिलूलिड़ वारिश्य (काल (22) R 1 प्रितिमिन खामग्राहमः स्रीम्सिम्म खर्मनिक जिनलाम हम्म मन् क्रीत्र शिर्म्य জীনন্বত २. राज्युधानिक जीर्वाहपा ? ट्राता निर्मिष्ट आपुरुल निरंग्रामान অন্যাতিনত मार्थियायुक कीरात्र रष्टिण उ लग्निकामण मिल्तिणक मार्ट्यकान्त्रक कीर्यवर्षित्र राज्य । म्रिगेर चिष्त्रि आध्रल चिंदत केरतन जलगत् उखार्रापेक मनिरका हिंगुरामान । जाणुराहि राष्ट्रिय निर्मात रिकियार राहिनाहा दाहिनाहा स्वित्हार

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ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Noise pollution and it's effects



Submitted by

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(SKBU)

2019

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भाषाय- - म्यापा कार्य प्रतान - म्याप्रिय देइलाम कार्य भाषाय- - म्यापा कार्य कार्य कार्य कार्य कार्य कार्य कार्य कार्य मित्रान्त्र आया त्यादा कर्या रहत हलाग्राल छ (हेत्य-2235 SHIP TOJIO ANDING - GUINAN FOR D- BOUTING - 15120 आपमामित उनने असे हम्प्रायक- वाकर संख कार्व । हिरिये. \$ 2231m (Mas 2394 - 240100 (Moles - 2010) miles & Quindra- Gray द्रासींड - 3213 2064 म तिकरियी काम ग्रेमा :--- في المحالية فالمعلى الله حراجالله في المعالية فرا المعالى - في المحالية فالعلي المعالية في المعالية في المعالية في المعالية المعالية المعالية في المعالية في المعالية في - في المحالية المعالية في المعالية في المعالية في المعالية في المعالية المعالية المعالية في المعالية المعالية في المعالية المعالية المعالية في المعالية المعالية في المعالية المعالية في المعالية المعالية المعالية المعالية معالية المعالية المعالية المعالية المعالية المعالية المعالية المعالية المعالية في المعالية في المعالية المعالية المعالية المعالية في المعالية في المعالية ا معالية معالية المعالية المعالي (2zhlyd auldid ralm Man 3356 Cars 321] मि आसाहिक 6 देखीं - जिसकात कार्य भ्या יניאד הולגי לא האות שויה שויאה אות האות האות האותה לא בל האותה האתה הולגים בוות שויאה שויה שיותה אותה האותה לא בל האותה याल होत रंगे सिष्टियों कार्या कार्या , रिग्रियारि - हराईगह - हाक विषयहात तायह किया नात - <u>हार्ड</u> नात - हार्ड्राय (असिमादि ज जिलीन नाथव्यन, तगाला- GHRA देडेआह राजिन sugarut care eregen ouers - 2013- rollin par halad soul som :-मान नमात करना गा। राजा प्रमाय नाम कार्य हात होते होता ना प्रायन कार्यन्त राजा प्रमाय नाम कार्यन्त कार्यन्त कार्यन्त कार्यन्त कार्यन्त राजा प्रमाय नाम कार्यन्त कार्य कार्यन्त कार या अत्रिक्त अस्ति मार्गे । मध्यमञ्ज्याय स्वस्त्र भित्ति कार्य रिमलिं कार्ग्रेस लिंग मार्गे । मध्यमञ्ज्याय स्वस्त्र भित्ति लिंग्रे स्वित् रिमलिं कार्ग्रेस लिंग मार्गे । मध्यमञ्जात सिंहा लिंग्रे लिंग्रे स्वित् रिमलिं कार्ग्रेस लिंग मार्गे । मध्यमञ्जात सिंहा लिंग्रे लिंग्रे लिंग्रे स्वित् रिमलिं कार्ग्रेस लिंग मार्गे । मध्यमञ्जात कार्य्य सिंहा स्वित्त भित्त कार्य्य रिमलिं कार्ग्रेस मार्गे । मध्यमञ्जात कार्य्य सिंहा सिंहा कार्य्य कार्य्य सिंहा मार्ग्य स्वित्य कार्य्य कार्य्य कार्य्य • मुस्म- (अ७१/राष्ठे (अला कार्य- झार्याय (सर्भाग्र- 1) देखिर २ २८२) · (जाम्ब्रेन= ७ आज्या धार्वरेग्रेग ७ आतम्प्रोवर देखिङ्गता (ज्या भाष्त्र)

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Arsenic contamination in India



Submitted by

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College Roll. : 976

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(SKBU)

2019

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Ansenie contamination in India

ground water plays an important role in meet the huge demand for water for drinking, industry and irrigation in a large country like india. the sediments of the ganges and Brahmaputra pivers in India are the main Source of groundwater. Excelsive groundwate abstraction by humans in this region is causing groundwater degradation . this degradation is the main cause of ansenic contamination of ground water. there fore, about 50 million people in India are at pisk of being affected by agisonic contamination excessive (ropph) of aysenic has been found in the water of shallow aquifers in 10 states of India. the first arsenic contaminated water was tound in chandiganh in india and then in west Bengal in the low lying plains of India. At persent about and quien territories of india 20 states

Remarks : Date : PRODUCT BY : Jogmaya Ginding Works, Hourah.

AYAK

Signature :

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Chipko Movement



Submitted by

Name : Ruma Das

College Roll. : 1267

Sidho-Kanho-Birsha University

(SKBU)

2019

नम द्वन अपना आन्भालतार 1323 Juliu gailelbie deriver erale war afte alite and right upor alle orleas equilloid_ maldon and wind ya and anys altie aver weite altile altim artic Harlds Here was about the walk want tobe white भावींद्वाक अवलाम सामान कि कामाने दिए द काही दे। जनी जनी कार्याल सामान कि जनाही जनी कार्ता ह कि भिन्न दिर्द्र कार्य कार्यनात कि जिन्न भागताल विन भिन्न देला मार्ग्साइलित के जिन्न भागताल विन अदेहेलू ल्याल लोगर हालेकल्ता ल होलीय होत्री सोन्स अर्धेय भाषा द्वीवन - जिन्हां अनुमाति वर्षाता गत् वर्ष galier ability Intility aller aller zie ber rent invert ablevent diffuent and fil Lought objet long wight of barden stral , Cardo actual doct almanidold Jarlar with alger and the great will be aldered and aller Ladence Stray Jonaldo 1 onlimites allerent , Mandadies officient onergy (Gail allerent)

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Importance of Biodiversity



Submitted by

Name : Samma Khatun

College Roll. : 1548

Sidho-Kanho-Birsha University

(SKBU)

2019

Page no - 1 Altierus 23 (Impositance of Biodiversity) ुाक्तराञ् न्यिते न्यते क्ल ७ ज्यललात रप्रत्यकारी - प्रकल अम्भेर कोरत यही अश्लत कोरेमण उ खजादिना पर राजुणत्र मिल्तिल ए महत्या वार्ग्वा रहे राग्रि राग्रे स्वार्ग्वा वार्ग्वालन अधिन हाल हार्ग्राम तिलारान् हेर्नियम् लाउद्यान लाइउर्जत उ किम्यूय र्यातमक रलग २४ जीवितिप्र र राविविकि र रवाद्याय प्रतिहास दि राज र न्हार्यय बार्यान्त्र रहेत हिंदान लगाई हार्या होता है। हो हो हो हो हो है। भविशिका आपरम्ह रंग्रांत याता रंग्रा भविरेल्तिर रागार रागर ७४३--8.दिग्रह हम - हार्स्हाळ्युह , प्राहस्ह, ज्याहर्स हाळाहर्म्नाल ह रहा गर्म ब्रामार हथार हलायर हाहहाला हल्ह रहत तहत तहत हता हाहा ह अज्ञादित दिनि के खातित कार्यात राष्ट्राघ्र 1 दित जीवत वार्या क्रिन (भना सीख़ प्रार्थ (जिलूलिड़ वारिश्य (काल (22) R 1 प्रितिमिन खामग्राहमः स्रीम्सिम्म खर्मनिक जिनलाम हम्म मन् क्रीत्र शिर्म्य জীনন্বত २. राज्युधानिक जीर्वाहपा ? ट्राता निर्मिष्ट आपुरुल निरंग्रामान অন্যাতিনত मार्थियायुक कीरात्र रष्टिण उ लग्निकामण मिल्तिणक मार्ट्यकान्त्रक कीर्यवर्षित्र राज्य । म्रिगेर चिष्त्रि आध्रल चिंदत केरतन जलगत् उखार्रापेक मनिरका हिंगुरामान । जाणुराहि राष्ट्रिय निर्मात रिकियार राहिनाहा दाहिनाहा स्वित्हार

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ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Effect of Overpopulation



Submitted by

Name : Meju Majhi

College Roll. : 1817

Sidho-Kanho-Birsha University

(SKBU)

2019

• মোতরিক কর্মাতায় প্রদা

ट्रिंगका :-

२८० गद्र्योहरू होक्ट तयह गार रिक्राय्ट हेर्हेगेर आदि जाइएए० रेस्मेत ताल तयर इन्हाय क्राय राह होहेए राख्यार हाइन्हाय हिल्ल्यारहर ब्राह्म प्राह होड्रेज काल्य्य हहरे गह

Page-1

अनिम्न इत्रा ह्रा ह्राय्य क्राम् ह्रामिण प्रदासने एहरे . प्राय्य हाइस्ट प्रायते एहरे . प्राय्य हाय ह्राही, गिम्द्र

-; দেকর রিয়ে দ্যায় দ্যায়েক হেন্টে প্রছাতীত ;-কেনি ; দেকর বাজ দায়ন হাত দেরে গ্রাজন দারাক হলে দেরলির রিমিনে যিদের বিয়নে প্রাজন দ্যাক পরিমের হির বির্বাজন দিয়ের্কার্ম হে তব্হদের্মি পর্যায় হলে হলে হার মেল্ল যে লেক্স্ত্রা মের্লা লেক্স হোল বির লেয় হায় লেয়ে মের্ল

ON

FIELD WORK/TERM PAPER/DISSERTATION

(ENVIRONMENTAL STUDIES)

TOPIC : MICROPLASTIC IN DRINKING WATER



Submitted by

Name : Chandrima Ghosh

Department: Geography

College Roll. : 10

Sidho-Kanho-Birsha University

(SKBU)

2017

INTRODUCTION

his report tocuses on the occurrence of microplastics in pinking-water and the potential nisks to human health rat may be associated with such exposure. The tanget utience includes drinking-water negulations, policy marker nd water suppliers. The purpose of this report is to increase indenstanding on the issue of microplastics in drinkingwater and to summarize how current knowledge might nfluence policy and management exclipion as well as needs. iniven the broad interest in plastic and microplastics pollu-tion, this document may also be researchens' interest, the public and civil society. groups concerned with plastic pallution. Additionally, a seperate information sheet has been prepared that summarizes the key findings and conclusions in this report that the public and other stockholders may find useful. This report, focused specially on bottled water and tap water, manks the begining of WHO's effort to access the potetial human health. risks associated with exposure to microplastic in environment.



ON

FIELD WORK/TERM PAPER/DISSERTATION

(ENVIRONMENTAL STUDIES)

TOPIC : Geothermal Energy



Submitted by

Name : Anima Mudi

Department: Botany

College Roll. : 160

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(SKBU)

2017

Tripoduction

The Geothermal energy is enormous and last for several illions of years. Hence it is called sucrewable energy. we is the large amount of heat lying in earth's interior , the form of volcances, geysens and hot springs. 's thermal energy contained in the interior of the earth called yesthermal energy.

gra is the motten rock within the earth is pushed up words the Surface where the heat of the magma is ing conducted upward through an oversiging rock layer a hot magma near the Swrface Solidifies into igneous ex. The heat of the magma is conducted upward to signeous nock. Groound water which finds its way own to this nock through cracks is heated by the at of the nock or by mixing with hot gases and steam ming from magma. The heated water convectively rise word and into a porows and peromeable reserviouss oove the igneous rock.

ON

FIELD WORK/TERM PAPER/DISSERTATION

(ENVIRONMENTAL STUDIES)

TOPIC : Water borne diseases



Submitted by

Name : Kalpana Murmu

Department: Education

College Roll. : 309

Sidho-Kanho-Birsha University

(SKBU)

2017

15. 4 igntante (and (Watero borne Diseases) 15.4.1 wind 123 gara ante la lavalar? स्टिमंड अख्येदिन. आर्याजंड- अंड्रेडि- संड्रेडि डिश्चरि सेल्याहा मुन्हा - हंग्रदारं - दिन्हा हरहो, उली avi Cargadore afair st- 15232 sets that we server done alound Ciert eng :- 1 Else fuit - 1 Else נבאר ליצירלגר, להתילך באר לאון, שישרה-ו - viert- suits alor - sustand - visiter (micronutmients) zrjøj- særerjær 2003-South's ast stat analadeuro- l'sea theyt - 34-1, - 23, averd- Right - Just , Ec. 1 - 162-Jaslard- alle when (gundigt i vorlighars-(miles expires 15.4.2 gentange gangen- borne Disease) छेल्गकात्रेज दिग्द क्रियोगड ाज्य- ज्याद्यांडेः @ suspenser (and - (communicable Diseases) : - (and westerna) - standa-laters alekruls- er Deselse liste sin proslis- 3 and pr Scaule

ON

FIELD WORK/TERM PAPER/DISSERTATION

(ENVIRONMENTAL STUDIES)

TOPIC : Forest Conservation



Submitted by

Name : Basumati Mahato

Department: Sanskrit

College Roll. : 493

Sidho-Kanho-Birsha University

(SKBU)

2017

1. Orans 3503 \$50 (Fonest conservation) : साम्यात्र सीरात करातात हे के के कार्य के कार्य Burged Reality a stopdate where she for the total awing out in the site and in the set and the start aste almered survey a line and a line a survey alsunda mie 1 gubuis 33508 Bug- 2010 221 al charter 3187 Q ~ ! (\$787 Q ~ ! (\$787 2013- Seapon 201 4747 (\$16 57 (27) Arms) i) (214 Branger, Anon an stren, 25%, 302 (solar 2 2) o wister) Over Brond forter for forent of the forest o 1,20,2 2,2 2,20 Grang angressing order as a serve allow and the contraction ii) جراره فلا الحدة الحرية المراد المالية المالية المردي المردية المالية المراجي والمراجي المراجي الم 12) Signa 322 MAGE ADE Errit HE . MA MA Siges (Frequency) V) 23 el 2 al de militar a ser ers per esta a ser l'entret eren and ser al ser a ser a ser a ser al a ser a ser a ser a ser a ser a ser a eren and and a ser a vi) ister hour survey of the set of the post of the post of the set Occultagence surgendine shout and endanger assard survey ande d'asservent sorry are aller for sind glad while a first a first a sale shald '

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Global Warming



Submitted by

Name : Brinda Mandal

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(SKBU)

2018

किला :-

মাইদেয়তেইয়ে কঠন জ্বাৰ্থায়ে দ্বিদ্ধ দ্বাৰ্থা কিল্লাই দিন্দ্ৰ হায় হাল্য হল্য হাল্য কৰা হাল্য ব্যক্ত হল্য হাল্য ব্যক্ত হল্য ন্যাজিল্ল হাল্য ব্যক্ত হল্য ন্যাজিল্ল হাল্য হাল্য হে লাল্য হাল্য হে লাল্য হাল্য হাল্য হে লাল্য হাল্য হাল্য হে লাল্য হাল্য হে লাল্য হাল্য হে লাল্য হাল্য হে লাল্য হাল্য হাল্য হে লাল্য হাল্য হাল্ তাল্য হাল্য হাল্য

• कि हिंदी देशारं प्रहे हारा :- ' खेरे जर्भ हिंदिनं कि जिन्द्र के का स्थित के कि जिन्द्र के का स्थित के का स्थान के स्थान के का स्थान के स्थान के का स्थान के स्थान क स्थान के स्थ सिंह स्थान के स्थान स

• उग्रङाखारा चला २०११, भविराख छिन शरेंग भाग्रा श्रतिंग (CO2, N20, CH4, CFCs) आदि युদ्धिन करल यथियोन अए जायबादा रवरदे आउथार्थ किन्नु उस्तायन रवरदे

दिभछ म्दरग्र बहरद विष्मुद उँम्छछ आग़ 1°F (0.7°e) मुक्ति रलस्ति । 2001 - 2010 খ্রিস্টাবে, उगर्वाश्च वहड़ इरल अनु म्दन भग्र । मेर्ट उँम्छण द्रामित कल्ल द्राश्वीएज क्लीज्ल मिरु उ प्राच्छ लाग्रियान द्वाडा लाग्र प्रव्य लाग्रेवाई उँम्छ मित्तव लाग्रियान द्वाडा प्राय्त आग्र हा मार्ग प्रवय उरलाडालाव उम्हज्याव लाग्रियान विर्वान प्राय्त आग्र हा जीविर्वात हैंड्याव लाग्र्या याग्र । विश्व उद्याग्रत्न प्राय्त आग्र हा लाग्रेवर्डत हैंड्याव लाग्र्या याग्र । विश्व उद्याग्रत्न प्राय्त आग्र हो लाग्रियान हीड्या हो हिंड्या हा लाग्र याग्र । विश्व उद्याग्रत्न प्राय्त आग्र हो लाग्रियान होडिंग लाग्र याग्र । विश्व उद्याग्रत्न प्राय्त आग्र होत्रात लाग्र्या याग्र । विश्व उत्त होत्रान होन्द्रित्त हान्हा आग्र होत्रा लाग्र । विश्व होत्रा लाग्र याहन लाग्रियान होन्द्रित्त हान्हा आग्र । याह्य लाग्र । विश्व हात्री ट्याएडव लाग्रियान होन्द्रित्त

ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : ENVIRONMENTAL MOVEMENT



Submitted by

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2018

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ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Contamination of Water



Submitted by

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(SKBU)

2018

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ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Soil Pollution



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2018

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ON

FIELD WORK/TERM PAPER/DISSERTATION

ENVIRONMENTAL STUDIES (Pass)

TOPIC : Water borne Diseases



Submitted by

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(SKBU)

2018

রোগজীবাণু সংক্রামিত মানুবের মল রোগঞ্জীবানু সংক্রামিত थामा अवर পানীয় গ্রহণ রোগ বিত্তারের মাধ্যম রোগাক্রান্ত মানুযের হাত اغذك الحوا मिट्रि उन्हों रह हिरादा 1859 15.1 = Carror 37.75 15.4 5-00 ATT26 - CATST (Water-borne Diseases) 15.4.1 Jourth 26 - 0755 2006 120 CARANT 2 अके म्हहीकी - हेल्का - बीह्लाह के हिल्हाही - 95 प्रकार के महाही हैर्ट - बीह्लाह के हिल्हाही - 95 प्रकार Jon 77 26-Si l'averent de Leveres arcendes 1 12 228.0-2324 3102001255 - Jimp - Jonan26-857 85 resterrances incieration : noteret 13173 7 317 317 31355 BOTTS I LASTER anothe ustar 22 Carlo Level Lung Cur (micronutrients) anar syrandis 5/2973-7035 erstie Crarzarge Lisza STUTTO रुग्राहार : भग्रहारह