

U.G. 6th Semester Examination - 2021**ENVIRONMENTAL SCIENCE****Course Code : BENVDSHT6****Course Title : Environmental Health
and Stress Physiology**

Full Marks : 40

Time : 2 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their
own words as far as practicable.*

1. Answer any **ten** questions of the following:
1×10=10
- i) Define epidemiology.
 - ii) What do you mean by allergy?
 - iii) Is pneumonitis a communicable disease?
 - iv) Define antigen.
 - v) Give two examples of communicable disease.
 - vi) What do you mean by salinity of a plant?
 - vii) What is the full form of HIA?
 - viii) What is the meaning of public health surveillance?

- ix) What is chi-square test?
- x) What do you mean by autoimmunity?
- xi) What is the purpose of family planning?
- xii) What is a host in epidemiology?
- xiii) Write down two symptoms of viral hepatitis.
- xiv) Is dengue an airborne disease?
- xv) What is ingestant allergy?

2. Answer any **five** questions of the following :
2×5=10
- i) What do you mean by cumulative effect?
 - ii) What are the two main goals of epidemiology?
 - iii) What is the meaning of attributed risk?
 - iv) Differentiate between validity and reliability.
 - v) What do you mean by vector borne diseases?
 - vi) Differentiate between droplet vehicle transmission and airborne transmission.
 - vii) What do you mean by the term 'Diet'?
 - viii) What causes hypersensitivity?
3. Answer any **two** questions of the following :
5×2=10
- i) How can you measure a disease and health outcomes in a community or population?

- ii) What is bias and error in sampling? Can random error be corrected? What causes random error?
- iii) Write down short notes on photo inhibition and photo acclimation.

4. Answer any **one** question of the following :

10×1=10

- i) What are the stress agents of plants? Discuss in brief.
 - ii) Briefly discuss about the Health programme initiatives taken in India.
 - iii) What are the principles and aims of epidemiology? Discuss in brief.
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