

Bachelor of Science (B.Sc.) Semester—I (C.B.S.) Examination

ENVIRONMENTAL SCIENCE

(Fundamentals of Environmental Science)

Compulsory Paper—1

Time : Three Hours]

[Maximum Marks : 50

N.B. :— (1) **ALL** questions are compulsory and carry equal marks.

(2) Illustrate your answer with suitable examples and diagrams.

1. What are various environmental segments ? Explain significance of each segment. 10

OR

(a) What are the adverse effects of ozone layer depletion ? 5

(b) Why is environmental education essential and what are the objectives of environmental education ? 5

2. What are the different regions of the atmosphere ? How are they classified ? 10

OR

(a) What are the adverse effects of ozone layer depletion ? 5

(b) Write a concise note on Homosphere and Heterosphere. 5

3. How are clouds classified into various families ? Mention the names of clouds and condition of formation. 10

OR

(a) What is smog ? How is it formed in the atmosphere ? 5

(b) Explain the various stages of Hydrological cycle. 5

4. What is Meteorology ? Explain wind velocity as a meteorological factor. Add a note on its measurement. 10

OR

(a) With the help of neat sketch, explain the working of Psychrometer. 5

(b) Discuss the procedure for determination of solar radiation. 5

5. Attempt any **ten** :

- (i) Distinguish between Natural and anthropogenic environment.
- (ii) What is environment science ?
- (iii) On which day 'World Environment Day' is being celebrated ?
- (iv) What is the chemical composition of atmosphere ?
- (v) What is environmental lapse rate ?
- (vi) What is temperature inversion ?
- (vii) What is climatology ?
- (viii) What is the importance of weather forecasting ?
- (ix) Give the classification of fog.
- (x) Explain Absolute humidity.
- (xi) Mention the name of Instrument used for weather forecasting.
- (xii) Explain wind pattern.

1×10=10