

9. Write short notes on the following : 1.5×10=15

- (i) Enlist names of natural disasters.
- (ii) Enlist name of anthropogenic disaster.
- (iii) Write the role of National Disaster Response Force.
- (iv) What is biodiversity ?
- (v) What is eutrophication ?
- (vi) Write the role of individual in conservation of natural resources.
- (vii) Explain noise pollution and their impact on human health.
- (viii) Explain Global Warming.
- (ix) Define Ozone depletion.
- (x) Write different alternatives of CFC.

Sep-21-00012

B. Tech. EXAMINATION, 2021

Semester I (CBCS)

DISASTER MANAGEMENT AND
ENVIRONMENTAL SCIENCE

HS-103

Time : 2 Hours

Maximum Marks : 60

The candidates shall limit their answers precisely within 20 pages only (A4 size sheets/assignment sheets), no extra sheet allowed. The candidates should write only on one side of the page and the back side of the page should remain blank. Only blue ball pen is admissible.

Note : Attempt *Four* questions in all, selecting *one* question from any of the Sections A, B, C and D. Q. No. 9 is compulsory. Figures on the right hand side margin indicate full marks.

Section A

1. (a) What is earthquake ? What step should be followed for mitigating the damage caused by earthquakes ? 7.5

- (b) Write classification of disaster with their impacts on environment and society. 7.5
2. (a) Describe the characteristics of an ideal fire proofing material and discuss fire resistant properties of any *four* building materials. 7.5
- (b) What is Tsunami ? Identify *three* causes, consequences and impact of tsunami waves. 7.5

Section B

3. (a) Draw a flow diagram of National response mechanism and explain in brief. 7.5
- (b) Explain in detail at least *five* possible risk reduction measures for floods. 7.5
4. (a) Why first 24 hours is very important after calamity ? What preparedness and mitigation measure should be at Panchayat level ? 7.5
- (b) Give your suggestion for better management during post-disaster relief. 7.5

Section C

5. (a) How will environmental studies support sustainable development of the environment ? Explain envisage of any development project of your town/state. 7.5

- (b) Define and classify renewable and non-renewable resources. Give your opinion about impact of the present trend of population growth on the availability of non-renewable resources. 7.5

6. (a) Define the concept of ecosystem and ecology. Write the fundamental role of producers, consumers and decomposers in an ecosystem. 7.5
- (b) Write a note on air pollutants and their sources and effects on living and non-living things. 7.5

Section D

7. (a) Why is it necessary of social awareness programme about the environment ? 7.5
- (b) Write pros and cons of man-made environment. 7.5
8. (a) A general perception about technology responsible for environment degradation. Give your opinion on this statement. 7.5
- (b) Write the name of different green house gases and explain how are they responsible for global warming. 7.5