MAR-21-210012

B. Tech. EXAMINATION, March 2021

Semester I & II (CBCS)

DISASTER MANAGEMENT &
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 each Sections A, B, C and D. All questions carry equal marks.

Section A

1. What do you mean by disaster ? What are the consequences of floods and how can we reduce the impact of flooding ?   **15**

2. Define the disaster impact assessment. Explain the steps involved in disaster impact assessment. **15**

Section B

3. Discuss the prevention, preparedness and mitigation measures for disasters. **15**

4. What is the importance of logistics in disaster management ? Discuss the emergency support function and their coordination system. **15**

Section C

5. What is the difference between ground water and surface water ? What do you mean by over exploitation of water ? Discuss the effects of over-exploitation and how can stop this. **15**

6. What do you mean by nuclear hazards ? Discuss the causes and control measures of nuclear hazards. **15**

Section D

7. Discuss the main current global environmental issues in detail. **15**

8. What do you mean by climate change ? What are the signs of climate change ? How will the crops be affected by climate change ? **15**

9. (i) What is the difference between natural and man-made disaster ?

(ii) What do you mean by mitigation ?

(iii) Explain the extra terrestrial disaster.

(iv) Name the tools which assist in decision-making in disaster management.

(v) List the effect of mining on environment.

(vi) What are the main causes of draught ?

(vii) What do you mean by green house effect ?

(viii) What is CFC ? What is effect of this on environment ?

(ix) Explain the role of engineer in to save the environment.

(x) How much percentage of the landmass is prone to earthquakes in India ? **10×1.5=15**