

**2023/TDC(CBCS)/EVEN/SEM/
EESDSE-601T/206**

TDC (CBCS) Even Semester Exam., 2023

ECOLOGY AND ENVIRONMENTAL SCIENCE

(6th Semester)

Course No. : EESDSE-601T

(Natural Hazards and Disaster Management)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Answer any *fifteen* of the following questions :

1×15=15

- 1. What is earthquake?**
- 2. Define floods.**
- 3. What is seismology?**
- 4. What are nuclear reactors?**

(2)

5. Define natural hazards.
6. What are hydrological hazards?
7. What are landslide hazards?
8. What is meant by direct losses?
9. Define geoinformatics.
10. What is mitigation?
11. What is meant by intangible losses?
12. Explain hazard-prone zones.
13. What are mangrove forests?
14. How many types of mitigation are there?
15. What is non-structural mitigation?
16. Define structural mitigation.
17. Write the full form of NDMC.
18. What is the full form of UNDP?

(3)

19. What is the full form of IMD?
20. Define national response mechanism.

SECTION—B

Answer any *five* of the following questions : 2×5=10

21. What is atmospheric hazard?
22. Why do landslides occur frequently in N-E region? Explain briefly.
23. Explain how deforestation is an anthropogenic hazard.
24. What are the social problems associated with large-scale developmental projects?
25. What is vulnerability assessment? Explain briefly.
26. What are the two components of risk? Explain briefly with examples.
27. How do media play an important role in hazard preparedness?

(4)

- 28. What is urbanization? Explain briefly.
- 29. What is meant by disaster management?
- 30. Differentiate between GIS and RS.

SECTION—C

Answer any *five* of the following questions : 5×5=25

- 31. What are landslides and what are its effects?
- 32. What are the causes of earthquake? Discuss the impacts of earthquake.
- 33. What is meant by deforestation? Discuss briefly the social and environmental impact of deforestation.
- 34. Discuss qualitative likelihood measurement index for risks of hazards.
- 35. Explain the different categories of consequences in risk assessment with suitable examples.
- 36. What is Tsunami? Discuss the causes and impacts of Tsunami.

(5)

- 37. What is preparedness? Discuss briefly the role of education in hazard preparedness.
- 38. Discuss the importance of planning and elucidate the key roles of training in hazard preparedness.
- 39. Enumerate the role of media in disaster management in India.
- 40. Discuss the National Disaster Management Framework and impacts of different government bodies in disaster management.
