DECEMBER 2022 **P/ID 4442/PGEE3**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions in 50 words each.

1. Define 'Disaster'
2. Explain NDRF and SDRF?
3. What are the three main features of Tsunami?
4. What is Locust Attack?
5. What do you mean by Risk Mapping?
6. Brief the term "Loss Assessment".
7. Explain the difference between Recovery and Relief
8. Bring out the major consequences of Bhopal Gas tragedy.
9. What is Disaster Management Task?
10. What do you mean by 'Global Positioning System?
11. Bring out the need of 'Land use planning'
12. What is a man-made hazard?

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions in 250 words each.

13. Describe the different types of development in Disaster Management

14. Explain the causes and effects of landslide and how will you control it?

15. What is Search and Rescue Operations? Explain its various Phases.

16. Explain the major challenges of Sendai Framework.

17. Examine the various phases of Post-Disaster activities

18. Evaluate the salient features of Disaster Management Act 2005.

19. Explain in detail on disaster safe designs and construction.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions in 500 words each.

20. Write a detailed account on nature and scope of Disaster Management.

21. Analyse the key components and challenges of an Early Warning System (EWS).

22. Narrate the lessons learnt from the mega disaster of India with suitable examples.

23. Elucidate the National Guidelines and Plans on disaster management in India

24. Critically examine the role of geo-informatics in disaster management and mitigation activities.

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