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**Question Paper Code : 53122**

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2019.

Sixth/Seventh/Eighth/Ninth Semester

Civil Engineering

GE 6083 – DISASTER MANAGEMENT

(Common to all branches)

(Regulation 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is a Disaster?
2. What is a Pandemic?
3. Explain the goals of disaster management.
4. What are the phases of the disaster life cycle?
5. Define Vulnerability in disaster management.
6. What is IPCC?
7. Write a note on the vulnerability profile of India.
8. What is disaster relief?
9. What is a fluvial flood?
10. Give few examples of man-made disaster.

PART B — (5 × 13 = 65 marks)

11. (a) What are the different types of natural disasters? Explain in detail.

Or

(b) Disaster impacts differential groups at various levels. Justify.

12. (a) What are the five key components of effective disaster management?
- Or
- (b) Analyse how structural and non structural components are used in risk reduction strategies.
13. (a) Explain the importance of indigenous knowledge. How is it helpful in disaster management?
- Or
- (b) Critically examine the various factors affecting vulnerability in disaster risk management.
14. (a) Write a note on the Disaster Management Act, 2005.
- Or
- (b) What is the purpose of damage assessment? What factors influence the assessment methods and the tools used to assess damage?
15. (a) What was the type of flood that affected Kerala recently? Critically evaluate the risk reduction strategies followed during the disaster.
- Or
- (b) Explain the different types of man-made disasters with special reference to Bhopal gas leak tragedy.

PART C — (1 × 15 = 15 marks)

16. (a) Analyse the role of different types of media in disaster management.
- Or
- (b) Evaluate the risk reduction strategies followed by the Government of India during times of disaster.