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**Question Paper Code : 90274**

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2019

Fifth Semester

Chemical Engineering

GE 8071 – DISASTER MANAGEMENT

(Common to Fashion Technology/Food Technology/Handloom and Textile Technology/Pharmaceutical Technology/Polymer Technology/Textile Technology/  
Civil Engineering/Environmental Engineering/Geoinformatics Engineering/  
Petrochemical Engineering/Bio Technology/Petrochemical Technology/Petroleum Engineering/Agriculture Engineering/Plastic Technology)

(Regulations 2017)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions.

PART – A

(10×2=20 Marks)

1. Define disaster. What are its types ?
2. What do you mean by climate change ?
3. What is DRR ?
4. What are the stages of disaster management ?
5. What is Emergency Operations Centre ?
6. List out the public emergency services available in the state, which could be approached for help during a natural disaster.
7. What is Risk assessment ?
8. What does the Disaster Management Act 2005 State ?
9. Name any states in India that have been affected recently by natural disaster. Mention the types of disaster.
10. What is Disaster Mitigation ?



## PART – B

(5×13=65 Marks)

11. a) What is Natural Disasters and Man-made Disasters ? Discuss with examples.

(OR)

b) Discuss the Global trends in disasters. Explain the Do's and dont's during floods.

12. a) Write a note on disaster cycle.

(OR)

b) Name some of the local bodies, organizations and government agencies which helps in disaster risk reduction mentioning their roles and responsibilities.

13. a) Define Vulnerability. What are the factors affecting vulnerability ? Discuss the process of vulnerability analysis ?

(OR)

b) What is climate change adaptation ? Discuss about the IPCC Scenarios with the context of India.

14. a) Discuss the role of GIS and Information Technology in disaster prevention.

(OR)

b) What do you understand by disaster relief ? Discuss the components of disaster relief.

15. a) What causes accidents in the workplace ? How to manage such a situation ?

(OR)

b) Explain natural disasters and its mitigation strategies.

## PART – C

(1×15=15 Marks)

16. a) Explain how the public awareness is helpful in risk reduction.

(OR)

b) How can we prevent diseases after floods ?

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