

ANURAG Engineering College

(An Autonomous Institution)

IV B.Tech II Semester Regular/Supplementary Examinations, April - 2024

DISASTER MANAGEMENT AND MITIGATION**(CIVIL ENGINEERING)****Time: 3 Hours****Max. Marks: 75****Section – A (Short Answer type questions)****(25 Marks)****Answer All Questions**

	Course Outcome	B.T Level	Marks
1. Define environmental hazard.	CO1	L1	2M
2. Define Environmental stress.	CO1	L1	3M
3. Give examples of Man induced hazards.	CO2	L2	2M
4. State any three differences between hazard and disaster.	CO2	L2	3M
5. State the hazardous effects of volcanoes.	CO3	L2	2M
6. List the causes of earthquakes.	CO3	L1	3M
7. List out the monitoring systems used for tracing the path of cyclones.	CO4	L2	2M
8. List the effects of population explosion.	CO4	L1	3M
9. Define the term Rehabilitation.	CO5	L1	2M
10. Write a short note on an emergency stage in disaster management.	CO5	L2	3M

Section B (Essay Questions)**Answer all questions, each question carries equal marks.****(5 X 10M = 50M)**

11. A) i) Distinguish between Environmental stress, hazard and disaster.	CO1	L3	5M
ii) Describe Ecosystem approach to mitigate environmental stress. In what way it is different from the perception approach?			5M
OR			
B) Explain various environmental hazards affecting the environment with examples.	CO1	L2	10M
12. A) Explain how man-made hazards trigger the natural hazards	CO2	L2	10M
OR			
B) Explain man induced hazards. What is source of such hazards?	CO2	L2	10M
13. A) Summarize about volcanic eruptions impacts on environment	CO3	L3	10M
OR			
B) Explain in detail about the effects of earthquakes on the environment.	CO3	L2	10M
14. A) Describe the various sedimentation problems created in the Environment.	CO4	L3	10M
OR			
B) State the factors influencing the soil erosion along with different methods of conservation measures.	CO4	L3	10M
15. A) Explain three stages of disaster management	CO5	L2	10M
OR			
B) Differentiate rescue and preparedness. Explain pre disaster measures that would have reduced the impact of land slide disaster.	CO5	L3	10M