

# GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V EXAMINATION – SUMMER 2025

Subject Code:3150913

Date:13-05-2025

Subject Name:Disaster Management

Time:02:30 PM TO 05:00 PM

Total Marks:70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

|   | MARKS     |
|---|-----------|
| <b>Q.1</b> (a) Explain following terms: 1. Hazard 2. Vulnerability 3. Risk \.                         | <b>03</b> |
| (b) Give classification of disaster with suitable example.  | <b>04</b> |
| (c) Explain different types of stages of disaster management.   | <b>07</b> |
| <b>Q.2</b> (a) What is landslide? Give its causes.  | <b>03</b> |
| (b) Enlist different types of manmade disaster. Explain anyone.                                       | <b>04</b> |
| (c) Explain different types of biological disasters.  | <b>07</b> |
| <b>OR</b>   |           |
| (c) Explain different types of technological disasters.   | <b>07</b> |
| <b>Q.3</b> (a) Explain risk assignment in Pre disaster.   | <b>03</b> |
| (b) Describe disaster communication during disaster.  | <b>04</b> |
| (c) Write a short note on Yokohama Strategy.  | <b>07</b> |
| <b>OR</b>   |           |
| <b>Q.3</b> (a) Explain zonation in Pre disaster.  | <b>03</b> |
| (b) Describe evacuation during disaster.  | <b>04</b> |
| (c) Write a short note on reconstruction and redevelopment in restoration of critical infrastructure. | <b>07</b> |
| <b>Q.4</b> (a) Differentiate between natural and manmade disaster.                                    | <b>03</b> |
| (b) What is role of on non-government agencies during disaster.                                       | <b>04</b> |
| (c) Explain various major disasters in INDIA in details.  | <b>07</b> |
| <b>OR</b>   |           |
| <b>Q.4</b> (a) List of features of disaster management policy.  | <b>03</b> |
| (b) Write a short note on disaster management Act 2005  | <b>04</b> |
| (c) What is role of NEC at state level and national level committee.                                  | <b>07</b> |
| <b>Q.5</b> (a) Explain the role of GPS in disaster management.  | <b>03</b> |
| (b) Write a short note on national plan on disaster management.                                       | <b>04</b> |
| (c) State the role of NDRF and SDRF in disaster management.   | <b>07</b> |
| <b>OR</b>   |           |
| <b>Q.5</b> (a) What is early warning system in terms of disaster?                                     | <b>03</b> |
| (b) Discuss the role of information technology during disaster?                                       | <b>04</b> |
| (c) Explain the application of GIS during disaster.   | <b>07</b> |

\*\*\*\*\*