



End Semester Examination 2023
Under Graduate Sem- I
Paper : General Elective
Paper Code – GGG104
[Natural Hazards And Disaster Management]

Time : 2 Hours
Total marks -50

Section A
Multiple choice questions

Answer all questions

(1 mark each)

1. True or False (T/F):-
 - a. Floods are the most common natural disaster worldwide. []
2. Which type of hazard is characterized by the sudden release of energy in the Earth's crust, resulting in seismic waves and ground shaking?
 - a. Volcanic eruption
 - b. Tsunami
 - c. Earthquake
 - d. Landslide
3. What is the "Ring of Fire" known for in the context of disasters?
 - a. A popular disaster-themed amusement park
 - b. A region prone to earthquakes and volcanic eruptions
 - c. A movie about disaster management
 - d. A safety protocol for disaster response
4. What is the main factor that determines the intensity of a hurricane or typhoon?
 - i. Wind speed
 - ii. Temperature
 - iii. Humidity
 - iv. Earth's rotation
5. What is a common consequence of prolonged drought conditions?
 - a. Increased agricultural productivity
 - b. Water scarcity
 - c. Excessive rainfall
 - d. Enhanced groundwater recharge
6. What defines a disaster?
 - a. Any occurrence causing damage on a small scale
 - b. An event that disrupts human life on a large scale
 - c. Ecological disruptions caused by natural factors
 - d. Events requiring a normal response from affected communities.
7. Which of the following is an example of a sudden man-made disaster?
 - a. Earthquake
 - b. Flood
 - c. Chernobyl nuclear power reactor explosion
 - d. Cyclone
8. What is the common characteristic of hazardous substances?
 - a. Inertness
 - b. Non-toxicity
 - c. Ignitability, corrosiveness, reactivity, or toxicity
 - d. Short lifespan
9. Which convention addresses the control of trans-boundary movements of hazardous wastes?
 - a. Basel convention
 - b. Kyoto Protocol



- c. Paris Agreement
d. Bamako convention
10. Which conference is considered the starting point for international efforts on climate variations and change?
- a. Stockholm Conference (1972)
b. Geneva Climate Conference (1979)
c. Villach Conference (1985)
d. Toronto Conference (1988)

Section B
Short answer type

Answer any 5 questions

(4 mark each)

- 1 What are the impact of flood.
- 2 What are Human induced disasters.
- 3 What is Tsunami ? Describe it's originating factors and effects?
- 4 How does global warming impact ecosystems and contribute to acid precipitation?
- 5 What are the effects of deforestation?
- 6 Explain Risk analysis and Vulnerability?
- 7 Differentiate between hazard and disaster.

Section C
Long answer type

Answer any 2 questions

(10 marks each)

1. Explain general characteristic of cyclone. Discuss its cause of origin and how they impact humans. Suggest effective mitigation methods and management.
2. What do you understand by the Concept of Disaster Mitigation. Explain mitigation measures, also provide an overview of NIDM framework.
3. Discuss in detail about the major disasters in India?
4. what is disaster management? Discuss the step of disaster management in detail?