

University of Mumbai
Engineering Examination

Sub: BEILO7017/ DMMM
Max. Marks: 80

Year/Sem:- BE/ VII Sem
Duration: - 2Hrs

Q1. Attempt all the MCQS

(20 X 2 mark= 40 marks)

1. The extent to which a community ,structure , services or geographic area is likely to be damaged or disrupted by the impact of particular hazard is termed as
 - a) Capacity
 - b) Vulnerability
 - c) Risk
 - d) Hazard Assessment

2. Which of the following is not a component of disaster management cycle?
 - a) Preparedness
 - b) Response
 - c) Construction
 - d) Recovery

3. Which of the following gas does not contribute to the global warming?
 - a) Methane
 - b) Carbon dioxide
 - c) Sulphur
 - d) Acetylene

4. The Richter scale expresses an earthquakes
 - a) Magnitude
 - b) Location
 - c) Duration
 - d) Depth

5. Which country is known as the most forest fire prone country in the world ?
 - a) Australia
 - b) Canada
 - c) India
 - d) Uganda

6. The most calm part of the tropical cyclone is
 - a) Limb
 - b) Eye
 - c) Periphery
 - d) Wall

7. In northern hemisphere, the wind of the tropical cyclone blows in
 - a) Anticlockwise direction
 - b) Clockwise direction
 - c) Straight
 - d) Backwards

8. The Disaster Management Act was made in
 - a) 2006
 - b) 2003
 - c) 2005
 - d) 2009

9. Which is the nodal agency at the Indian Union Government for coordinating disaster management activities for all natural hazards?
 - a) Minister of Home affairs
 - b) Ministry of social justice and Empowerment
 - c) Ministry of Science and Technology unpredictable
 - d) Ministry of Environment and Forests

10. The National Disaster Management Authority (NDMA) is headed by
 - a) Prime Minister of India
 - b) President of India
 - c) Governor of States
 - d) Chief Minister of States

11. Which of the following organization is the apex authority of disaster management in India?
 - a) NDA
 - b) NDMA
 - c) CDMA
 - d) INDR

12. NDRF in India stands for:
 - a) National Disaster Relief Fund
 - b) National Disaster Response Force
 - c) National Disaster Research Forum
 - d) National Disaster Resettlement Foundation

13. At present how many battalions are present in NDRF?
 - a) 8
 - b) 10
 - c) 12
 - d) 14

14. The State Disaster Management Authority is headed by
 - a) Governor
 - b) Chief minister
 - c) Chief Secretary of the State
 - d) Finance Minister

15. The role of which agency is important in disaster prevention.
 - a) Media
 - b) Police
 - c) Government officials
 - d) Public

16. The first phase of environmental health management begins
 - a) Long before a disaster strikes
 - b) When a disaster strikes
 - c) Within the first three hours after the disaster has struck
 - d) After the warning period

17. The main objectives of First Aid?
 - a) To preserve life
 - b) To prevent the victims condition from worsening
 - c) To promote recovery
 - d) All the above

18. Structural and Non-structural measures are elements of high category of Risk Reduction measures
 - a) Socio-economic measures
 - b) Physical measures
 - c) Environmental measures
 - d) Post disaster measures

19. Who shall be the first responders in disaster management situation?
 - a) Central Government
 - b) Community
 - c) Local Government
 - d) State Government

20. Which of the following is a disaster mitigation strategy?
 - a) Constructing cyclone shelters
 - b) Giving loans from banks
 - c) Providing cheap electricity
 - d) Providing school uniforms to children

Q2. Attempt any FOUR

(04 X 05 marks= 20 marks)

- a. How Hazards are different from a disaster? How does Hazard lead to a disaster?
- b. Comment on the Forest Fires worldwide.
- c. Discuss about the mass casualty management system
- d. Discuss the role of National Institute of Disaster Management (NIDM)
- e. Explain the role of NGOs in disaster management at large
- f. Write a note on Community based Disaster Management.

Q3. Attempt any TWO

(02 X 10 marks= 20 marks)

- a. Explain physics of cyclones. State the various types of cyclones. How cyclones are tracked?
- b. Discuss the administrative structure and its institutions set up to handle disasters. Cite examples of ministries involved.
- c. How is the application of GIS and Remote sensing in Disaster management effective? Explain with case study.
- d. What are the dos' and donts' for any 4 types of Disasters