

**DISASTER MANAGEMENT  
(DIMA 5116)**

**Time Allotted : 3 hrs**

**Full Marks : 70**

*Figures out of the right margin indicate full marks.*

*Candidates are required to answer Group A and  
any 5 (five) from Group B to E, taking at least one from each group.*

*Candidates are required to give answer in their own words as far as practicable.*

**Group - A  
(Multiple Choice Type Questions)**

1. Choose the correct alternative for the following: **10 × 1 = 10**
- (i) Which of the following UN Agencies typically coordinates the response to major disasters?  
(a) UNHCR (b) UNOCHA  
(c) WFP (d) UNDP
- (ii) From where earth quake waves are originated?  
(a) Focus (b) Epicentre  
(c) Solid inner Core (d) None of these
- (iii) What causes Tsunami?  
(a) Sudden vertical movement of the Earth  
(b) Convergence of destructive plates in the ocean floor  
(c) Explosive volcanic eruptions in the seas/oceans  
(d) All of the above
- (iv) Which of the following is an example of a set of standards for NGO humanitarian action?  
(a) The Code of Rules (b) The Sphere Project  
(c) Both A and B (d) Neither A nor B
- (v) Which of the following is conducted to reduce hazard risk?  
(a) Mitigation (b) Preparedness  
(c) Response (d) Recovery
- (vi) Asian Disaster Preparedness Centre is at  
(a) Bangkok (b) Kerala  
(c) Surat (d) None
- (vii) NIDM observes "Disaster Reduction Day" on  
(a) 3<sup>rd</sup> Wednesday of October (b) 2<sup>nd</sup> Wednesday of October  
(c) 2<sup>nd</sup> Friday of September (d) 1<sup>st</sup> Tuesday of October

- (viii) National Institute of Disaster Management is at  
(a) Manipur (b) Punjab  
(c) Hyderabad (d) New Delhi
- (ix) Amateur Radio is also known as  
(a) Ham radio (b) Home radio  
(c) Pocket radio (d) Silent radio
- (x) International Tsunami information Center is located in  
(a) Honolulu (b) Goa  
(c) Jakarta (d) Pondicherry

### Group - B

2. (a) What are the different phases and sub-phases of Disaster Management? Discuss the characteristics of post-impact phases/ sub-phases of Disaster Management.
- (b) What are the major disasters observed in India? Name two recent major disasters in West Bengal.

**(3 + 6) + (1 + 2) = 12**

3. (a) Describe the emotions observed in the affected community during the disillusionment phase of disaster? What is the longest of all six phases of disaster? What kind of activities are performed in preparedness phase?
- (b) Which state level and district level govt. agencies are involved in institutional framework of disaster management?

**(3 + 2 + 3) + 4 = 12**

### Group - C

4. (a) Explain the difference between Epidemic and Pandemic. In which phase of disaster management building code and zoning activities are performed and why?
- (b) What are the activities performed in mitigation phase?

**(4 + 6) + 2 = 12**

5. (a) In which scale the magnitude following disasters are measured?  
(i) Volcanic eruption (ii) Tsunami (iii) Tronado.
- (b) Describe the seven parameters on which Disaster Severity Scale is framed by De Boer?

**(2 + 2 + 2) + 6 = 12**

### Group - D

6. (a) What is the difference between Emergency and Disaster? What is known as Golden hour in disaster management? What is the relationship between Risk, Hazard, Exposure, Vulnerability and Capacity?

(b) Which nodal ministries are involved in following kinds of disasters?

- (i) Industrial accidents
- (ii) Nuclear explosion
- (iii) Air accidents
- (iv) Drought

**(2 + 2 + 4) + 4 = 12**

7. (a) Explain with example the need of capacity building in the context of disaster risk reduction. Which kind of community can be termed as vulnerable community? How the capacity of a vulnerable community can be enhanced?

(b) Briefly describe three stages of Recovery phase.

**(5 + 2 + 2) + 3 = 12**

**Group – E**

8. (a) What are the differences and similarities between the terms Hurricane, Cyclone and Typhoon?

(b) Describe the process of naming the cyclones? Which agency is responsible for maintaining the list of cyclone names?

**(2 + 2 + 2) + (4 + 2) = 12**

9. (a) What is the role of IRDN in disaster Management? Describe the work process of IRDN with the help of a diagram.

(b) What is the meaning of BBB in the context of recovery?

**(2 + 8) + 2 = 12**

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