

GE8701 DISASTER MANAGEMENT

IMPORTANT QUESTIONS AND QUESTION BANK

UNIT-I INTRODUCTION OF DISASTERS

2-Marks

1. What is a disaster?
2. What is pandemic?
3. List out the mangrove products?
4. Define famine?
5. Discuss about mudslide?
6. Compile about drought?
7. What is meant by flash flood?
8. What is a limnic eruption?
9. List the types of natural disaster?
10. What is disaster preparedness?

Part-B

1. Describe the various disaster preparedness strategies?
2. Explain the development plans adopted in disaster management?
3. Define mining and explain methods of extraction?
4. What are the different types of natural disaster? Explain in details?
5. What is to be done during and after the earthquake?
6. Draw the disaster management cycle and explain every stage in it?
7. Disaster impacts differential groups at various levels justify?
8. Describe the flood and explain the causes of flood?
9. Explain the techniques of reducing oil free?
10. Explain the causes classification and types of the forest fire?
11. Explain the types of drought and drought preparedness with mitigation?
12. Explain the risk sharing process in disaster mitigation?
13. Describe the goal and objective of ISRD programme?
14. What are flash flood? Explain about one recent flash flood that affected large population of a region in India?
15. Explain in detail about the global trends in disasters?

UNIT-II APPROACHES TO DISASTER RISK REDUCTION

2-Marks

1. What is disaster management cycle?
2. Define disaster risk reduction?

3. List the phases of disaster life cycle?
4. What is mitigation?
5. Why are the mitigation activities necessary?
6. Explain the response activities for DDR?
7. Explain recovery with its types?
8. Develop the term culture of safety?
9. List the function of NIDM?
10. Write down the types of urban local bodies?

Part-B

1. What are the key components of disaster management? Explain in detail?
2. Write a brief note on cultural safety in disaster risk reduction?
3. How the structural and non-structural components are used in risk reduction strategies? Explain?
4. Explain the roles and responsibilities of various agencies in disaster mitigation and management?
5. Explain the roles and responsibilities of Panchayati Raj Institution?
6. Give an outline on Urban Local Bodies in India?
7. Write a short note on the concept of Panchayati Raj and also explain its structure?
8. Develop the stages of disaster risk reduction and explain in detail?
9. Write a brief note on early warning system?
10. Analyse and write a brief note on SDMA?
11. List any three advisories from appropriate agencies, Explain in detail?
12. Assess in detail on the four basic elements and types of early warning systems?
13. Develop the conceptual framework for disaster risk reduction?
14. Write a case study on disaster risk reduction in India?
15. Consider Bhopal gas disaster as a case study. Explain the applicable principles of disaster management to mitigate the effect of such disaster in future?

UNIT III INTER-RELATIONSHIP BETWEEN DISASTERS AND DEVELOPMENT

2-Marks

1. List down the factors that increase the intensity of disasters?
2. Tell me the dimensions that challenge the human being in disaster?

3. Explain the term "Displaced persons"?
4. Infer how the available technology can play a large role in disasters?
5. Relate how the Land use change affects the society?
6. Describe about Land use change?
7. Justify how climate changes affect the environment?
8. How does a development activity create a disaster?
9. Define vulnerability in disaster management?
10. What would result if there is any new development project?

Part-B

1. Critically examine the various factors affecting vulnerability in disaster management?
2. When can developmental activities become the cause of disasters?
3. Explain and list the impact of development projects and embankments?
4. Compile the impacts faced due to land use changes?
5. What do you mean by Land use change and how does it adversely affect the environment?
6. Explain the importance of indigenous knowledge. How is it helpful in disaster management?
7. Write a report about indigenous knowledge systems in Kerala? Using appropriate technology with local resources, mankind get benefitted. Justify this statement with an example?
8. Recommend the mitigation measures to conserve agriculture, water supply and air quality due to climate change?
9. Brief about 5 assessment cycles and assessment reports delivered by IPCC?
10. Relate the relevance of indigenous knowledge in Disaster Risk reduction technological and economical aspect?
11. Write in short about the effects of climate change on i. Weather ii. Agriculture and Forest iii. Human Health?
12. Elucidate the important human factors that tend to influence disaster severity?
13. Comment on the environmental and socio-economic impacts due to Land use changes?
14. Write in detail about the IPCC scenario in the context of India?
15. What is the role of IPCC towards climate change? Discuss in detail about its assessment cycles and reports?

UNIT IV DISASTER RISK MANAGEMENT IN INDIA

2-Marks

1. What is disaster relief?
2. According to Planning Commission report, list the key vulnerabilities of India?
3. Tell in short about any one of technical disasters occurred in India?
4. Indicate the nodal agencies designated by Gol for the early warning of different natural hazards?
5. Write a note on vulnerability profile on India?
6. Discuss the major earthquake hazard zones in India?
7. What do you mean by the terms DANA and DALA?
8. What do you mean by "capacity building"?
9. Interpret the disaster management cycle as proposed by NDMA?
10. Indicate the guidelines needed for Preparedness in case of any disaster?

Part-B

1. i. Recall natural hazard vulnerability in India? ii. Discuss about the man-made vulnerable zones of India?
2. Identify the Landslide-prone regions of India and suggest some measures to mitigate the disasters caused by these?
3. Illustrate how the following facilities - Water, Food, Sanitation, Shelter, Health, Waste Management could be arranged aftermath of a disaster?
4. Why there is a need for capacity building? Categorize its vital components?
5. State the constitution and role of National Disaster Response Force (NDRF) as per DM Act, 2005?
6. Brief about the roles and functions of i. National Authority of NDMA. ii. State Authority of SDMA?
7. What is GIS? How this application helps in disaster management process?
8. How would you illustrate the role of National Disaster Management Authority in India?
9. Develop how the risk information is used for Disaster Risk Management and explain about risk communication?
10. State the risk assessment methodology?
11. Justify why the recovery phase is essential after a disaster?
12. Write about the evolution of Disaster Management in India and outline its structure and institutional framework?
13. Justify the role of GIS Application and Information technology on analysing the Chennai Floods in 2015?

14. Elaborate the importance and categories of disaster damage assessment?
15. i. List the broad features of the National Policy on Disaster Management?
ii. In what ways the financial arrangements are facilitated for disaster mitigation?

UNIT V DISASTER MANAGEMENT

2-Marks

1. What is a fluvial flood?
2. List out the examples of man-made disaster?
3. What are the steps to be taken by the residents during an earthquake in a residential building?
4. List out the different types of floods?
5. Define pluvial flood?
6. List out any two recent natural disasters?
7. Explain landslide hazard zonation?
8. Summarize factors causing landslide?
9. Summarize total risk with equations?
10. List out the method of LHZ?

Part-B

1. What are the Mitigation Measures for your home to prevent it from disaster?
2. What was the type of flood that affected Kerala recently? Critically evaluate the risk reduction strategies followed during the disaster?
3. Describe any flooding disaster that occurred in India and write the various lessons that you have learned from it?
4. Explain in detail about methodology used in coastal flooding?
5. Explain the working of various instrumentation used to measure earthquake?
6. Describe the various intensity and magnitude of earthquake?
7. Write in detail about earthquake vulnerability assessment and building and infrastructure?
8. Expand and explain data description about forest fire?
9. Illustrate the case study about forest fire in India?
10. Brief about analysis for landslide hazard zonation?
11. Explain the role of GIS in LHZ?

12. What is the methodology used in drought assessment?
13. Illustrate about earthquake vulnerability assessment of buildings and infrastructure with case study?
14. Discuss in detail about drought assessment with case study?
15. Elaborate in detail about case study of storm surge?

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