CVM UNIVERSITY
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FACULTY OF ENGINEERING & TECHNOLOGY

THIRD YEAR BACHELOR OF ENGINEERING
CIVIL ENGINEERING
102030521- DISASTER MANAGEMENT (OE)
QUESTION BANK

Descriptive Questions

Q–1 Define the term: Disaster, Hazard, Vulnerability, Risk, Hazard, Capacity, Preparedness, Mitigation

Q-2 Give brief classification of disasters and describe natural and man-made disasters.

Q–3 Give a comprehensive list of various types of disasters.

Q–4 What is vulnerability? Explain types of vulnerability in detail.

Q-5 What is risk? Explain the concept of risk management.

Q-6 What is capacity? Explain types of capacities in detail.

Q-7 What is capacity development? What are the important components of capacity development?

Q-8 How development may cause disasters? Elaborate.

Q-9 What is disaster management? Explain key stages of disaster management.

Q-10 What are the impact and consequences of an earthquake?

Q-11 What are the causes of earthquake? What safety measures can be taken during earthquake? List and Don'ts before and after earthquake.

Q-12 What is volcano and explain the types of volcano.

Q-13 What is landslide? What are the causes of landslide? What are the effects of landslide? How landslide can be controlled?

Q-14 Explain different types of landslide in detail.

Same type of questions for all type of disasters

Q-15 What is disaster management? Explain the disaster management cycle.

Q-16 Explain the measures to be taken in each disaster management phase.

Q-17 How risk assessment and analysis of a disaster is done?

Q-18 What is the requirement of risk mapping, zonation and microzonation for disaster management.

Q-19 What is the requirement and importance of early warning system in disaster management?

Q-20 What is preparedness against a disaster?

Q-21 Describe Remote sensing in detail.

Q-22 Explain various principles of remote sensing. What are the different stages in remote sensing? ' are the advantages of remote sensing?

Q-23 Differentiate between modern remote sensing technology and conventional aerial photography.

Q-24 Write short notes on Radar and Lidar.

Q-25 Describe GPS in detail. What are the various fields of application of GPS? What are the uses of GPS?

Q-26 Draw and explain the GPS disaster management process flow diagram.

Q-27 Give difference between a hazard and disaster.

Q-28 List out and explain the pre and post disaster phases of disaster management cycle.

Q-29 Explain how RS/GIS help in performing the various stages of disaster management cycle.

Q-30 Explain in detail about how remote sensing helps in disaster management of Earthquake, Tsunami, Flooding, Volcanic eruptions, Landslides.

Q-31 What are morphological analysis, tephra chronology and lithological composition in the context of disaster management of volcanic eruptions?

Q-32 Give full form of UNDRR, IAWN, SMPAG and WMO.

Q-33 Define Early Warning Systems as per UNDRR.

Q-34 Enlist the four levels and types of early warning systems.

Q-35 Enlist the applications of early warning system.

Q-36 Explain land use zoning.

Q-37 Explain how disaster safety at construction sites can be taken for different types of disasters.