

[100]

SEAT No. _____

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SARDAR PATEL UNIVERSITY

M.Sc. Geoinformatics

SEM – II, March 2019

Disaster Management, Sub Code: PS02EGIN22

DATE: 28th march 2019

TIME: 10:00 AM TO 1:00 PM

DAY: Thursday

TOTAL MARKS: 70

Q. 1 Choose the correct answer.

[08]

- (1) The machine which records the intensity of earthquake is known as _____.
(A) Logarithmic graph (C) Seismo-graph
(B) Semiverio-graph (D) None of above
- (2) Land sliding occurs when rocks _____ holding capacity is _____.
(A) Internal, increase (C) Internal, decrease
(B) External, increase (D) None of above
- (3) Indian Meteorological department (IMD) has total _____ centres over all in India.
(A) 20 (C) 10
(B) 15 (D) 05
- (4) Approximately _____ land is vulnerable to drought in India.
(A) 86 % (C) 68%
(B) 50 % (D) None of above
- (5) Keep eye on cyclone _____ satellites data sets uses.
(A) Kalpnaset -I (C) Both (A) & (B)
(B) Insat-3A (D) None of above
- (6) For infrastructure construction BIS code is necessary, here BIS stand for _____.
(A) Bureau of Indian standard (C) Bureau of Indian seismology
(B) Bureau of Infrastructure standard (D) Bureau of Infrastructure & seismology
- (7) _____ Satellite data is used for Fire detection from RS.
(A) Modis (C) Both (A) & (B)
(B) Spot (D) None of above
- (8) Disaster = _____ as per (IPCC).
(A) Risk ÷ Capacity (C) Both (A) & (B)
(B) Risk X Capacity (D) None of above

Q.2 Answer the following.(attempt any seven, each two marks)

[14]

- (1) List out characteristics of disaster.
- (2) How epicenter of earth quick is located?
- (3) Paradigm shift in Disaster Management.
- (4) List Basic utilities for rehabilitation stage.
- (5) List which satellite and band are used for flood mapping? Why?
- (6) List non structure part of Building.
- (7) Explain warning and fore casting system using Internet.
- (8) Why Secondary Cities are a Priority for DRR Programs?
- (9) Explain NDRF, SDRF, & DDRF.

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(P.T.O.)

- Q.3 (A) List types of hydro meteorological disasters, Explain any one in detail. [06]
(B) Write a note on earthquake disaster with necessary diagrams. [06]
OR
(B) How technological disasters affect us? Explain technological disasters. [06]
- Q.4 (A) What is zoning for disaster management? Explain and list merits & demerits for zonation. [06]
(B) Enlist active government planning and nodal agencies for disaster management for India. [06]
OR
(B) Write a note on each phase of disaster management. [06]
- Q.5 (A) Explain early warning system for tsunami, & land sliding. [06]
(B) How retrofitting helpful to reduce risk of disaster? Categories retrofitting's elements and its importance with case study. [06]
OR
(B) Write Applications of Science Technology for Disaster management & Mitigation. [06]
- Q.6 (A) What is disaster management act? When it establish? Show it importance in contest of India. [06]
(B) Enlist and explain five mega disaster profile of India. [06]
OR
(B) Explain long term & short term strategies for DRR. [06]

— X —
(2)

-: All The Best:-