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SARDAR PATEL UNIVERSITY

M.Sc. GEOINFORMATICS

SEM – II, April 2018

Disaster Management(PS02EGIN22)

DATE: 19th April, 2018

TIME: 10:00AM TO 1:00 PM

DAY: Thursday

TOTAL MARKS: 70

Q. 1 Choose the correct answer.**[08]**

- (1) _____ is/are type of body wave in case of earth quick.
 (A) P- Wave (C) Both (A) & (B)
 (B) S-Wave (D) None of above
- (2) As per rule disaster management is responsibility of _____.
 (A) All Countries of the world (C) Country/state under disaster
 (B) Individual family &/ or person (D) None of above
- (3) In 1984 _____ was biggest manmade disaster in India.
 (A) Bhopal gas leak (C) Tsunami
 (B) Earth quick (D) None of above
- (4) _____ Indian organization working for disaster management.
 (A) EHRA (C) INCOIS
 (B) MoES (D) All of above
- (5) Restructuring of farming and other loan is via _____.
 (A) Lead bank (C) Both (A) & (B)
 (B) District Authorities (D) None of above
- (6) _____ City is part of PROMISE 2005-2008.
 (A) London (C) Bombay
 (B) Paris (D) Kalutara
- (7) Disaster management act for India was established in _____ year
 (A) 2001 (C) 2005
 (B) 2010 (D) 2018
- (8) GPS units & buoys are used to determine to wave _____ for Tsunami.
 (A) Height (C) Both (A) & (B)
 (B) Velocity (D) None of above

Q.2 Answer the following.(attempt any seven, each two marks)**[14]**

- (1) What are the reasons for land sliding?
- (2) List different characteristics of disaster.
- (3) What is Paradigm shift in Disaster Management?
- (4) List which satellite data product and bands are use for flood mapping?.
- (5) What is Disaster mitigation?
- (6) Explain working and Prevention for early warning system of Tsunami.
- (7) Explain fire detection mechanism with Indian government web site.
- (8) How to find epicenter of earth quick?
- (9) What is PROMISE program for Asian secondary cities?

- Q.3 (A) Explain earth quick disaster in detail. With illustration of figure. [06]
(B) List types of Hydro-Meteorological Disasters, explain any one in detail. [06]
OR
(B) What is technological disaster? Give classification and its vulnerability. [06]
- Q.4 (A) Explain each phase of disaster management in brief. [06]
(B) Explain risk assessment and mapping for disaster. [06]
OR
(B) What is zoning for disaster? Explain in detail; list our merits and demerits of zoning. [06]
- Q.5 (A) How GPS and RS system helpful in disaster management. [06]
(B) What is retrofitting? Categories and enlist type of element for retrofitting, Explain in detail how retrofitting help full for risk reduction of disasters. [06]
OR
(B) Describe disaster profile of India and four mega disaster in India. [06]
- Q. 6 (A) Why Secondary Cities are a Priority for DRR Programs? Explain long term DRR planning. [06]
(B) Explain financial mechanism in India or disaster management. [06]
OR
(B) In short explain disaster management act and its guidelines. [06]

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