

2019

B.Sc.

1st Semester Examination

DISASTER MANAGEMENT (General)

Paper : DSC 1A-T

Introduction to Disaster Management

Full Marks : 60

Time : 3 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group-A

1. Answer *any ten* questions : 2×10=20

(a) Which of the following is not a part of geological disaster ?

(i) Volcanoes

(ii) Earthquakes

(iii) Sea-surge

(iv) Tsunami

[Turn Over]

(b) Who is the chairman of National Disaster Management authority ?

(i) President (ii) Prime Minister

(iii) Chief justice (iv) Home minister

(c) The Earth is divided into layers that differ in composition and density. What is the proper sequence of these layers, if they are listed from least to most dense ?

(i) Inner Core, Outercore, Mantle

(ii) Crust, Mantles, Core

(iii) Core Mantle, Crust

(iv) Mantle Core Crust

(d) The Earth's internal heat is responsible for causing.

(i) Hurricanes (ii) Floods

(iii) Earthquakes (iv) tornadoes

(e) The point at which a fault ruptures in the Earth is called the—

(i) Hypocenter (ii) Hyper center

(iii) Epicenter (iv) pocenter

- (f) Earthquakes are generated from
- (i) Focus
 - (ii) Epicenter
 - (iii) Soled inner core
 - (iv) None of these
- (g) The International Day for Natural Disaster Reduction is
- (i) Oct. 13
 - (ii) Nov. 13
 - (iii) Oct. 23
 - (d) Dec. 23
- (h) Point at which earthquake take place
- (i) Origin
 - (ii) Epicenter
 - (iii) Principal
 - (iv) Focus
- (i) National Institute of Disaster Management is located at ?
- (i) Pune
 - (ii) New-Delhi
 - (iii) Calcutta
 - (iv) Mumbai
- (j) Which of the following activities is covered by Disaster Management before, during or after disaster?
- (i) Reconstruction and Rehabilitation
 - (ii) Mitigation
 - (iii) Emergency Response
 - (iv) All the above

[Turn Over]

- (k) What is the speed of Tsunami Waves ?
- (i) 40m/hr (ii) 100 km/h
(iii) 9000 km/h (iv) 800 km/h
- (l) The term disaster is derived from
- (i) Latin (ii) Greek
(iii) French (iv) Arabic Word
- (m) Which year Bhopal Gas tragedy was happened in the year
- (i) 1984 (ii) 1986
(iii) 1981 (iv) 1988
- (n) Tsunami waves are generated by
- (i) under water currents (ii) Earthquake
(iii) volcanic eruption (iv) All the above

Group-B

2. Answer *any four* questions : 5×4=20
- (a) State the difference between natural disaster and Manmade disaster.
- (b) Define Hazard. What are its different types ?
Classify with examples.

- (c) What is the difference between a disaster and accident ?
- (d) Define the following terms : 2+3
(i) Response time (ii) Simple & Complex disaster.
- (e) What are the causes of land slides ?
- (f) What are the possible Risk Reduction measures of 'Drought' ? 5
- (g) What are the causes of Earth quake ? 2+3
- (h) Identify three major mitigation measures of Earthquake risk. 5

Group-C

3. Answer *any two* questions : 10×2=20
- (a) Discuss in details the principles and components of disaster management. What are the aims of disaster management ? Discuss disaster models utilization in disaster management. 4+4+2
- (b) Elaborate the concept of "Disaster is associated with Development". What are the pre and post rehabilitation uses during any disaster. 4+6
- (c) Write in brief about—vulnerability and disasters.

[Turn Over]

What is deforestation ?

7+3

- (d) Write in brief about pre-disaster and post disaster human resettlement and rehabilitation issues. Write in brief about the over exploitation of natural roesources.

5+5
