



BRAINWARE UNIVERSITY

Term End Examination 2019 - 20

Programme – Master of Computer Applications

Course Name – DISASTER MANAGEMENT

Course Code – MCA(ENV)501

(Semester – 5)

Time allotted: 3 Hours

Full Marks: 70

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group –A

(Multiple Choice Type Question)

20 x 1 = 20

1. *Choose the correct alternative from the following (Answer any Twenty)*
 - (i) Who heads the National Crisis Management Committee?
 - a. Prime Minister
 - b. President
 - c. Cabinet Secretary
 - d. Ministry of Environment
 - (ii) What is a Tsunami?
 - a. A fish
 - b. A series of huge waves
 - c. A kind of volcano
 - d. Earthquake
 - (iii) A flash flood is a flood which is caused by:
 - a. It is caused by heavy rain rather than flooding of a river.
 - b. Occurs in urban area
 - c. Occurs suddenly and unexpectedly and for
 - d. It is caused by the blocking of drains.
 - (iv) Landslides occur due to:
 - a. Intensity of rainfall.
 - b. Steep slopes
 - c. Deforestation
 - d. All the above.
 - (v) What are the crucial steps to be taken during a disaster?
 - a. Stay calm. Do not panic.
 - b. Use nearest exit points.
 - c. Do not use lifts.
 - d. All the above.
 - (vi) What are the first two steps after a hazardous material spill has occurred?
 - a. Rescue, Confine
 - b. Clean up, Secure
 - c. Confine, Report
 - d. Clean up, Rescue

- (vii) Which of the following is an effect of disaster?
- a. Death
 - b. Loss of income.
 - c. Breakdown of infrastructure.
 - d. All the above
- (viii) Rashtriya Barh Aayog (National Flood Commission) identified.....million hectares of land as flood prone in India
- a. 40
 - b. 80
 - c. 100
 - d. 120
- (ix) Volcanic Eruptions can lead to
- a. earthquakes
 - b. floods
 - c. volcanic eruptions and related disasters
 - d. hurricanes
- (x) Earthquakes that occur along faults are created when
- a. melted rock is erupted along the fault zone
 - b. stress builds up until rocks break
 - c. the earth shifts and moves along fracture
 - d. answers b and c
- (xi) Tremors that have occurred in Earth's crust are known as
- a. Volcanic Eruptions
 - b. Cyclones
 - c. Tornadoes
 - d. Earthquakes
- (xii) Chernobyl Disaster happened in:
- a. RUSSIA
 - b. UKRAINE
 - c. UK
 - d. USA
- (xiii) Attack on 'World Trade Centre' on 11/09/2001 is an example of
- a. Bomb Threat
 - b. Explosion
 - c. Terrorist Incident
 - d. Chemical Disaster
- (xiv) The full form of NDMA is
- a. National Disaster Microsoft Authority
 - b. National Disaster Management Authority
 - c. Natural Disaster Microsoft Authority
 - d. All of the above.
- (xv) The District Disaster Management Authority is headed by
- a. Chief Minister
 - b. Collector
 - c. Social Welfare Officer
 - d. Zilla Sabhadhipati
- (xvi) Hurricanes, tornadoes, tsunamis are examples of _____ disaster
- a. Man-made
 - b. Natural
 - c. Industrial
 - d. Space
- (xvii) Weather disasters includes-
- a. Tornadoes
 - b. Hailstorms
 - c. Heat Waves
 - d. All of these

- (xviii) The _____ is used to measure the intensity of earthquakes.
- | | |
|-------------------|------------------|
| a. Plastic Scale | b. Richter scale |
| c. Platinum Scale | d. Seismo Scale |
- (xix) Floods not only damage property and endanger if lives of humans and animals, but have other effects as well, such as:
- | | |
|---|--|
| a. Floods cause the spread of many epidemic diseases. | b. Floods cause widespread damage to the standing crops and degrade the agricultural land. |
| c. Flood affected areas are faced with acute shortage of food and drinking water. | d. All of these |
- (xx) Drought is-
- | | |
|--|---|
| a. A condition of abnormally dry weather within a geographic region. | b. Referred to the lack or insufficiency of rain for an extended period of time in a specific region. |
| c. Both “a” and “b” | d. None of these |
- (xxi) A ground depression caused by collapse into an underground cavern –
- | | |
|---------------|-------------------|
| a. Sinkhole | b. Landslide |
| c. Avalanches | d. None of these. |
- (xxii) Tornadoes are common in which country?
- | | |
|----------|----------|
| a. China | b. India |
| c. U.S.A | d. Nepal |
- (xxiii) Which gas was released when Bhopal gas Tragedy occurred?
- | | |
|---------------------|-----------------------|
| a. Nitrogen Cyanide | b. Methyl Cyanide |
| c. Methyl Nitrate | d. Methyl Iso cyanide |
- (xxiv) The underground point of origin of the earthquake is called the _____.
- | | |
|------------------|----------------------|
| a. seismic wave | b. seismic sea waves |
| c. seismic focus | d. None of these. |
- (xxv) The Exxon Valdez Oil Spill is one of the biggest _____ disaster
- | | |
|-------------|-------------------|
| a. Space | b. Hydrological |
| c. Man-made | d. Meteorological |

Group – B

(Short Answer Type Questions)

4 x 5 = 20

Answer any *four* from the following

- | | |
|--|---|
| 2. Define Disaster. What are the different types of Disasters? Explain with proper examples. | 5 |
| 3. Explain the various types of explosions? | 5 |
| 4. Explain the various methods of restricting floods. | 5 |

5. What steps are need to be taken after hearing the news of Bomb Threat? 5
6. Write a short note on 'terrorist incident. 5
7. Explain the causes and effects of volcanic eruption. 5

Group – C

(Long Answer Type Questions)

3 x 10 = 30

Answer any *three* from the following

8. Explain the various methods of Fire Safety management as explained under the Disaster management Act? 10
9. Discuss with examples various kinds of man-made disaster. 10
10. Explain the steps to be taken in the case of "Sudden Health emergency". 10
11. How the Disaster management Act, 2005 is playing a key role for the proper implementation of 'Disaster management'? 10
12. Discuss various types of meteorological disasters and hydro-logical disasters with suitable examples. 10
