

## **English**

1. The energy release during an earthquake is proportional to ----- of the earthquake  
(A) Magnitude  
(B) Depth

(C) Duration  
(D) Damage

**Correct Option(s): A**

## **English**

2.

Soil liquefaction occurs when

(A) Overburden pressure > pore water pressure  
(B) Overburden pressure = pore water pressure  
(C) Effective stress = pore water pressure  
(D) Effective stress > pore water pressure

**Correct Option(s): B**

## **English**

3. The centre of a cyclone is a calm area. It is called-----of the storm.

(A) Arm  
(B) Heart  
(C) Eye  
(D) Head

**Correct Option(s): C**

## **English**

4. Which cyclones originate over the Bay of Bengal and the Indian Ocean?

(A) Western cyclones  
(B) Tropical cyclones  
(C) Eastern cyclones  
(D) Temperate cyclones

**Correct Option(s): B**

## **English**

5. What causes tropical cyclone to rotate?

(A) Tension Force  
(B) Gravitational Force  
(C) Frictional Force  
(D) Coriolis Force

**Correct Option(s): D**

## **English**

6. The earth embankments constructed parallel to river for flood protection are called

(A) Guide banks  
(B) Levees  
(C) Terraces  
(D) Groynes

**Correct Option(s): B**

## English

7. In the flood damage analysis, the marginal benefits - cost ratio should be

- (A) less than 1
- (B) equal to 1
- (C) greater than 1
- (D) greater than 4

**Correct Option(s): B**

## English

8. The extent to which the inflow hydrograph gets modified due to the reservoir storage can be computed by a process known as

- (A) River routing
- (B) Channel routing
- (C) hydrograph
- (D) Flood routing

**Correct Option(s): D**

## English

9. Probable Maximum Precipitation (PMP) is

- (A) Projected precipitation for a 100 years return period
- (B) Upper limit of rainfall that is justified climatologically
- (C) Effective perceptible water
- (D) Maximum precipitation for all recorded storms

**Correct Option(s): B**

## English

10. The flood discharge adopted for design of a structure after careful consideration of economic and hydrologic factors is known as:

- (A) peak flood
- (B) design flood
- (C) Maximum probable flood
- (D) Minimum probable flood

**Correct Option(s): B**

## English

11. Translational sliding is quite common in slopes made up of

- (A) mud and silt
- (B) Rocks and boulders
- (C) Rocks and non-cohesive soils
- (D) Rocks and cohesive soils

**Correct Option(s): D**

## English

12. In which type of slide, weather conditions play a very important role?

- (A) Translational sliding
- (B) Rotational sliding
- (C) Rock toppling and falls
- (D) Subsidence

**Correct Option(s): C**

## English

13.

The direction of movement in subsidence is

- (A) Horizontal
- (B) Shearing
- (C) Vertical
- (D) Inclined

**Correct Option(s): C**

## English

14. Sinking or settling of the ground in almost vertical direction naturally is called

- (A) Flowage
- (B) Sliding
- (C) Avalanche
- (D) Subsidence

**Correct Option(s): D**

## English

15. What is the characteristic sloping surface in rotational slides?

- (A) Curved
- (B) Planar
- (C) Circular
- (D) Undulated

**Correct Option(s): A**

## English

16. What is the character of the surface of shear in loose, inherently weak rocks?

- (A) Curved
- (B) Planar
- (C) Circular
- (D) Undulated

**Correct Option(s): A**

## English

17. Disaster management plan was launched by ministry of Home affair in

- (A) 2005
- (B) 2011
- (C) 2016
- (D) 2020

**Correct Option(s): C**

## English

18.

Which one of the following ministries is the Nodal Ministry at the centre for coordinating disaster management activities for all natural disasters except drought ?

- (A) Ministry of Agriculture
- (B) Ministry of Home Affairs
- (C) Ministry of Civil Aviation
- (D) Ministry of Health and Family Welfare

**Correct Option(s): B**

## English

19. Which of the following is an essential component of fire safety in buildings?

- (A) Fire-resistant paint
- (B) Smoke detectors
- (C) Fireworks display
- (D) Gasoline storage tanks

**Correct Option(s): B**

## English

20. What should you do if a fire extinguisher is low on pressure?

- (A) Use it sparingly and replace it immediately
- (B) Shake it vigorously to increase pressure
- (C) Refill it with water
- (D) Dispose of it in regular trash

**Correct Option(s): A**

## English

21. What is the recommended frequency for testing smoke detectors?

- (A) Every 5 years
- (B) Once a month
- (C) Every 2 years
- (D) Once a year

**Correct Option(s): B**

## English

22. Which of the following is a characteristic of Class D fires?

- (A) Involves flammable liquids
- (B) Caused by electrical faults
- (C) Involves combustible metals
- (D) Result of organic materials burning

**Correct Option(s): C**

## English

23. What does the acronym “FEMA” stand for in the context of fire safety?

- (A) Fire Extinguisher Maintenance Association
- (B) Federal Emergency Management Agency
- (C) Fire Evacuation and Management Association
- (D) Fire Equipment Manufacturers Association

**Correct Option(s): D**

## English

24. What is the recommended distance between portable heaters and flammable materials?

- (A) 2 feet
- (B) 6 inches
- (C) 10 feet
- (D) Touching distance

**Correct Option(s): C**

## English

25. Which of the following is a suitable material for a fire extinguisher sign?

- (A) Paper
- (B) Plastic
- (C) Wood
- (D) Metal

**Correct Option(s): B**

## English

26. The cultivation in drought condition, causes

- (A) Permanent soil Erosion
- (B) deforestation
- (C) urbanization
- (D) infiltration

**Correct Option(s): A**

## English

27. Which wave of an earthquake is produced by a rolling effect along the earth's surface?

- (A) Love wave
- (B) P wave
- (C) S wave
- (D) Rayleigh wave

**Correct Option(s): D**

## **English**

28.

To detect Tsunami along the coast, coastal tide gauges are placed.....km away

- (A) 100
- (B) 75
- (C) 50
- (D) 25

**Correct Option(s): C**

## **English**

29.

According to the Indian Meteorological Department (IMD), a storm is classified as a “Super cyclone” when the wind blows \_\_\_\_\_ speed.

- (A) Above 200 km
- (B) Above 110 km
- (C) Above 220 km
- (D) Above 150km

**Correct Option(s): C**

## **English**

30.

Select the correct full form of ISDR

- (A) International Sustainable Development Report
- (B) International Strategy for Disaster Reduction
- (C) International Significant Disaster Resources
- (D) Intergovernmental Strategy for developing Recreation

**Correct Option(s): B**

## **English**

31. What is the location of the International Tsunami Information Center?

- (A) Honolulu
- (B) Hyderabad
- (C) Goa
- (D) Pondicherry

**Correct Option(s): A**

## **English**

32. What are the volcanoes which have not erupted for a very long time but might erupt in future called?

- (A) Extinct volcanoes
- (B) Active volcanoes
- (C) Dormant volcanoes
- (D) Shield volcanoes

**Correct Option(s): C**

## **English**

33. Which of the following is a terrestrial disaster?

- (A) Cyclone
- (B) Landslide
- (C) Hailstorm
- (D) Storm surges

**Correct Option(s): B**

## English

34. What does the word ‘resilience’ mean in the context of disaster management?

- (A) Potential loss in terms of living environment
- (B) The conditions of a person which expose him to the possibility of being harmed
- (C) The ability of a community to resist the effects of disaster
- (D) A situation which has the potential to cause harm

**Correct Option(s): C**

## English

35. Palmer index is associate with which of the following natural disaster?

- (A) Hurricanes
- (B) Drought
- (C) Earthquake
- (D) Volcano

**Correct Option(s): B**

## English

36. What is the term given to the maximum earthquake ground motion that is expected to occur once during the design life of the structure?

- (A) Design Mean Earthquake (DME)
- (B) Design Basis Earthquake (DBE)
- (C) Maximum Intensity Earthquake (MIE)
- (D) Maximum Credible Earthquake (MCE)

**Correct Option(s): B**

## English

37. Most of the high magnitude earthquakes are located along ----- plate boundaries.

- (A) Mid oceanic ridges
- (B) Subduction zones
- (C) Intra-plate boundaries
- (D) Transform faults

**Correct Option(s): B**

## English

38. What is the point on the ground vertically above the focus called?

- (A) Surface
- (B) Main Center
- (C) Epicenter
- (D) Hypocenter

**Correct Option(s): C**

## English

39. One of the major reason for “Tsunami” occurrence is

- (A) Earthquake generated in a subduction zone
- (B) Wave upwelling
- (C) Wind impact
- (D) Tidal force

**Correct Option(s): A**

## English

40. Which of the following is NOT a broad mitigation technique of landslide?

- (A) Construction of retention wall to stop land from slipping
- (B) Hazard mapping to locate areas prone to landslides
- (C) Reduction in the vegetation cover to arrest landslide
- (D) The surface drainage control works to control the movement of landslide along with rain

**Correct Option(s): C**

## English

41. When you are out in the open and there is a thunderstorm, you should

- (A) Take shelter under a tree
- (B) Run across a large open field
- (C) Squat low on the ground
- (D) stand up

**Correct Option(s): C**

## English

42. Seismograph is used for:

- (A) To detect speed of cyclone
- (B) To detect earthquake
- (C) To detect rainfall
- (D) To detect landslide

**Correct Option(s): B**

## English

43. Seismic waves are waves of energy that:

- (A) plastically distort the material that they pass through,
- (B) permanently distort the material that they pass through,
- (C) break the material that they pass through
- (D) elastically distort the material that they pass through

**Correct Option(s): D**

## English

44. As rupture along a fault initiates, waves of energy travel outward from the hypocenter in a:

- (A) linear fashion
- (B) a straight line path
- (C) a spherical fashion
- (D) a cylindrical fashion

**Correct Option(s): C**

## English

45. In which Phase of Disaster, damage Assessment is done?

- (A) Warning phase
- (B) Impact Phase
- (C) Rescue phase
- (D) Re-Habilitation Phase

**Correct Option(s): D**

## English

46.

Disaster management is aimed at.

- (A) Resettling people in the closest unaffected urban area
- (B) Collection of valuable data for future management objectives
- (C) Strengthening sewage and drinking water treatment facilities to resist the impact of a
- (D) Restoring a community's services, facilities and residences to pre-disaster levels

**Correct Option(s): D**

## English

47. The primary goal of a disaster preparedness plan is:

- (A) To protect the population
- (B) To protect valuable resources
- (C) To keep communications lines open
- (D) To protect environmental health personnel

**Correct Option(s): A**

## **English**

48. The zone of the earth that is divided into rigid plates is the

- (A) Atmosphere
- (B) Lithosphere
- (C) Tectosphere
- (D) Biosphere

**Correct Option(s): B**

## **English**

49.

A rapidly rotating storm system characterized by low pressure centre, strong winds and a spiral arrangement of thunder storms is often called as

- (A) Tsunami
- (B) Tropical cyclone
- (C) Trade winds
- (D) Thunder storm

**Correct Option(s): B**

## **English**

50.

A cyclone weakens or decays when

- (A) Its source of warm moist air is abruptly cut off
- (B) There is a very low relative humidity
- (C) There is an above average decrease in temperature with altitude
- (D) There is a location of 4-5 latitude degree from equator

**Correct Option(s): A**