

1. The magnitude relates to the energy released during the quake and measured on Richter Scale.
2. The intensity scale or Mercalli Scale takes into account the visible damage caused by the event.
3. The range of magnitude scale is from 0-10 while the range of intensity scale is from 1 -12.

Select the correct answer using the code given below:

- (a) 3 only
- (b) 2 only
- (c) 2 and 3 only
- (d) None of the above

**22.** What do you understand by the term 'ebb'?

- (a) The time between the low tide and high tide when tide is falling is called 'ebb'.
- (b) The time between high tide and low tide when water level is rising is called as 'ebb'.
- (c) The time between the high tide and low tide when water level is falling is called as 'ebb'.
- (d) The time between the low tide and high tide when tide is rising is called as 'ebb'.

**23.** Identify the type of cloud having following characteristic features:

1. They are generally formed at a height of 4000-7000m.
2. They exist in patches and can be seen scattered here and there.
3. They have flat base and looks like cotton wool.
4. These type of clouds develop as a result of convection.

Which of the following types of clouds described in the above description?

- (a) Cirrus cloud
- (b) Nimbus cloud
- (c) Stratus cloud
- (d) Cumulus cloud

**24.** Which of the following statements is/are correct regarding Mixed Tides?

1. It has two high and two low tides each day with variation in height.
2. Mixed tides are responsible for famous surfing waves of the west coast of the USA and Mexico.
3. It is found in the location where there is a combination of diurnal and semi-diurnal tides.

Select the correct answer using the code given below:

- (a) 2 and 3 only
- (b) 1 and 3 only
- (c) 1 only
- (d) 1, 2 and 3

**25.** Consider the following statements regarding humidity:

1. Humidity is the water vapor present in the air.
2. Absolute humidity is the actual amount of the water vapor present in the atmosphere.
3. Relative Humidity is least over the oceans and greater over the continents.

Which of the above statements are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

**26.** Which of the following statements are correct about the oceanic tides?

1. The tides are the result of gravitation attraction of moon and sun towards the earth.
2. Neap tides occur on full moon period and new moon period.
3. Tidal bulges on wide continental shelves have greater height.

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3