

**2023**

**Time - 3 hours**

**Full Marks - 60**

*Answer all groups as per instructions.*

*Figures in the right hand margin indicate marks.*

**GROUP – A**

1. Fill in the blanks. (all) [1 × 8
- (a) The full form of DAP is \_\_\_\_\_.
- (b) A drought-prone area is defined as one in which the probability of a drought year is greater than \_\_\_\_\_.
- (c) The location below the earth's surface where the earthquake starts is called the \_\_\_\_\_.
- (d) The point on the surface, nearest to the focus, is called \_\_\_\_\_.
- (e) The Indian Tsunami Early Warning System (ITEWS) was established in \_\_\_\_\_.
- (f) When the front remains stationary, it is called a \_\_\_\_\_ front.
- (g) If an air mass is fully lifted above the land surface, it is called the \_\_\_\_\_ front.

[ 2 ]

- (h) Earth is composed of \_\_\_\_\_% nitrogen, \_\_\_\_\_% oxygen and \_\_\_\_\_% other gases.

**GROUP – B**

2. Write notes on any eight of the following questions within two to three sentences each. [1½ × 8

- (a) Weather
- (b) Climate
- (c) Subtropical jet stream
- (d) Coriolis force
- (e) Typhoon
- (f) Sea level rise
- (g) Green house gas
- (h) Global warming
- (i) Desertification
- (j) Air mass

**GROUP – C**

3. Write notes on any eight of the following within 75 words each.

[2 × 8

- (a) Anticyclones

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- (b) Stages of thunderstorm
- (c) Human causes of landslide
- (d) Warm front
- (e) Climatic significance of front
- (f) Effect of Green House
- (g) Effects of Sea level rise
- (h) Causes of earthquakes
- (i) Types of jet streams
- (j) Mitigation of landslide

**GROUP – D**

*Answer **all** questions within 500 words each.*

4. Get a detail account on the management of earthquake. [6]

OR

Get an account on tsunami.

5. Describe the elements of climate and weather. [6]

OR

Write a note on thermal structure and composition of Atmosphere.

[ 4 ]

6. Define jet stream. Add a note on its influence on world weather.

[6

OR

Give an account on Air mass classification with diagram.

7. Describe Desertification.

[6

OR

Give an account on Glacial periods.