

M.A. (2022) (SEM/CR) CBCS Part-I Semester-I Examination: October/November-2022
Geography (Compulsory) Paper-II
GEOC22: Principles of Climatology (NEP)

Day and Date: Monday, 12/12/2022
Time: 10.30 AM To 12.30 PM

Total Marks: 60

Instructions:

1. All Questions are Compulsory.
2. All Questions carry equal marks.
3. Figures to the right indicate full marks
4. Draw the diagram wherever necessary.
5. Allowed to use map stencil, if necessary

Q.1. Choose the Correct alternatives from the following.

15

- 1 There are ----- pressure belts on the earth.
A) Five B) Six C) Seven D) Eight
- 2 Wind speed is commonly measured by an instrument called -----.
A) Thermograph B) Cup anemometer C) Barograph D) Thermometer
- 3 In the northern hemisphere trade wind is also known as -----wind.
A) South East B) South West C) North West D) North East
- 4 The lowest air pressure recorded at -----
A) Irkutsk B) Madrid C) Mariana D) Tahiti
- 5 According to Ferrell's law wind in the northern hemisphere move towards -----.
A) Left B) Right C) North D) All of the above
- 6 The dry adiabatic rate is -----0C /km
A) 5 B) 15 C) 10 D) 20
- 7 Moisture loss from vegetation is called as -----.
A) Evaporation B) Transpiration C) Condensation D) Sublimation
- 8 The tiny droplets of water produced by condensation on a surface object are known as -----
A) Frost B) Drizzle C) Sleet D) Dew
- 9 The state of condition where the vertical motion of the air is absent in the atmosphere is called as -----
---.
A) Instability B) Stability C) A & B Both D) None of the above.
- 10 ----- is defined as the ratio between absolute humidity and humidity capacity of air.
A) Absolute Humidity B) Specific Humidity C) Relative Humidity D) All of the above
- 11 ----- classifies the air masses based on geographical location.
A) Koppen B) Trewartha C) Thornthwaite D) None of the above

- 12 The term anticyclone was used first time by Francis Galton in the year -----.
A) 1667 B) 1761 C) 1796 D) 1861
- 13 The tropical cyclone in Australia is called -----
A) Hurricane B) Typhoon C) Willy-Willy C) Thunderstorm
- 14 The tropical cyclone in the North Atlantic is called -----
A) Willy-Willy B) Hurricane C) Typhoon D) None of the above
- 15 The tropical cyclone in the North Pacific is called -----
A) Wiley-Willy B) Typhoon C) Hurricane D) All of the above

Q.2. Write short Notes (Three out of Four) .

15

- 1 Low Pressure
- 2 High Pressure
- 3 Hydrological Cycle
- 4 Describe the concept of Air Mass in brief.

Q.3. Write short Answers (Three out of Four) .

15

- 1 Mountain & Valley Breeze
- 2 Difference Between Drizzle & Rain
- 3 What is Thunderstorm and explain its stages?
- 4 What is mean by frontogenesis and Frontolysis?

Q.4.. Answer the following question on broad. (One out of two).

15

- 1 Define planetary winds and explain the types of planetary with a suitable diagram.
 - 2 Define Precipitation & Explain different forms of Precipitation
-

Model Answer Paper

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Option 3

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Option 2

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Option 4

4 The lowest air pressure recorded at -----

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Option 3

14 The tropical cyclone in the North Atlantic is called -----

- A) Willy-Willy B) Hurricane C) Typhoon D) None of the above

Option 2

15 The tropical cyclone in the North Pacific is called -----

- A) Wiley-Willy B) Typhoon C) Hurricane D) All of the above

Option 2

Q.2. Write short Notes (Three out of Four) .

1 Low Pressure

Ans:

2 High Pressure

Ans:

3 Hydrological Cycle

Ans:

4 Describe the concept of Air Mass in brief.

Ans:

Q.3. Write short Answers (Three out of Four) .

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1 Mountain & Valley Breeze

Ans:

2 Difference Between Drizzle & Rain

Ans:

3 What is Thunderstorm and explain its stages?

Ans:

4 What is mean by frontogenesis and Frontolysis?

Ans:

Q.4.. Answer the following question on broad. (One out of two).

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1 Define planetary winds and explain the types of planetary with a suitable diagram.

Ans:

2 Define Precipitation & Explain different forms of Precipitation

Ans:
