

M.A. (2022) (SEM/CR) CBCS Part-I Semester-I Examination: March/April-2023
Geography (Compulsory) Paper-II

GEOC22: Principles of Climatology (New Pattern 2022)

Day and Date: Wednesday, 03/05/2023

Total Marks: 60

Time: 10.30 AM To 12.30 PM

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 The line that joins the places of equal pressure on the map is called -----.
A) Isotherm B) Isobar C) Isohaline D) Contour
- 2 There are ----- pressure belts on the earth.
A) Five B) Six C) Seven D) Eight
- 3 ----- discovered firstly air has weight.
A) Torricelli B) Thornthwaite C) Koppen D) Bergerian
- 4 In the northern hemisphere trade wind is also known as -----wind.
A) South East B) South West C) North West D) North East
- 5 Chinook wind blows the leeward side of -----mountain.
A) Himalaya B) The Alps C) Rocky D) Black Forest
- 6 The relative humidity is expressed in -----.
A) Degree B) Percentage C) Kilogram D) All of the above
- 7 The conventional rainfall occurs daily in -----region
A) Polar B) Temperate C) Equatorial D) All of the above
- 8 The process in which solid material is directly converted into gasses is called -----.
A) Evaporation B) Transpiration C) Condensation D) Sublimation
- 9 The process in which liquid is transferred into gas is called as -----.
A) Evaporation B) Transpiration C) Condensation D) Sublimation
- 10 The continuous movement of water from the oceans to the atmosphere, from the atmosphere to the landmasses, and from landmasses back to the ocean is known as -----.
A) Oxygen Cycle B) Hydrological Cycle C) Cycle of Nitrogen D) None of the above
- 11 The term anticyclone was used first time by Francis Galton in the year -----.
A) 1667 B) 1761 C) 1796 D) 1861
- 12 Violently rotating column of air attended by a funnel shape is called as -----.
A) Thunderstorm B) Anticyclone C) Doldrum D) Tornado

13 Tornado is derived from ----- language word.

A) French B) Arabic C) German D) Spanish

14 The tropical cyclone in the Japan is called -----

A) Willy-Willy B) Hurricane C) Typhoon D) Taifu

15 ----- represents an intense local storm associated with extensive cumulonimbus clouds, heavy precipitation along with thunder and lightning.

A) Thunderstorm B) Tornado C) Cyclone D) None of the above

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

15

1 Land & Sea Breeze

2 Low Pressure

3 Cyclonic/Frontal Rainfall

4 Explain the concept of Waterspout.

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

15

1 Mountain & Valley Breeze

2 Difference Between Drizzle & Rain

3 What is mean by frontogenesis and Frontolysis?

4 Difference between Tropical Disturbance & Tropical Depression?

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

15

1 Define precipitation and explain types of rainfall in brief.

2 Define air mass? Describe in brief the types of air mass.

Model Answer Paper

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

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1 The line that joins the places of equal pressure on the map is called -----.

A) Isotherm B) Isobar C) Isohaline D) Contour

Option 2

2 There are ----- pressure belts on the earth.

A) Five B) Six C) Seven D) Eight

Option 3

3 ----- discovered firstly air has weight.

A) Torricelli B) Thornthwaite C) Koppen D) Bergerian

Option 1

4 In the northern hemisphere trade wind is also known as -----wind.

A) South East B) South West C) North West D) North East

Option 4

5 Chinook wind blows the leeward side of -----mountain.

A) Himalaya B) The Alps C) Rocky D) Black Forest

Option 3

6 The relative humidity is expressed in -----.

- A) Degree B)Percentage C)Kilogram D)All of the above

Option 2

7 The conventional rainfall occurs daily in -----region

- A) Polar B) Temperate C) Equatorial D) All of the above

Option 3

8 The process in which solid material is directly converted into gasses is called -----.

- A) Evaporation B) Transpiration C) Condensation D) Sublimation

Option 4

9 The process in which liquid is transferred into gas is called as -----.

- A) Evaporation B) Transpiration C) Condensation D) Sublimation

Option 1

10 The continuous movement of water from the oceans to the atmosphere, from the atmosphere to the landmasses, and from landmasses back to the ocean is known as -----.

- A) Oxygen Cycle B) Hydrological Cycle C) Cycle of Nitrogen D) None of the above

Option 2

11 The term anticyclone was used first time by Francis Galton in the year -----.

- A) 1667 B) 1761 C)1796 D) 1861

Option 4

12 Violently rotating column of air attended by a funnel shape is called as -----.

- A) Thunderstorm B) Anticyclone C) Doldrum D) Tornado

Option 4

13 Tornado is derived from ----- language word.

- A) French B) Arabic C) German D) Spanish

Option 4

14 The tropical cyclone in the Japan is called -----

- A) Willy-Willy B) Hurricane C) Typhoon D)Taifu

Option 4

15 ----- represents an intense local storm associated with extensive cumulonimbus clouds, heavy precipitation along with thunder and lightning.

- A) Thunderstorm B) Tornado C)Cyclone D)None of the above

Option 1

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

15

1 Land & Sea Breeze

Ans:

2 Low Pressure

Ans:

3 Cyclonic/Frontal Rainfall

Ans:

4 Explain the concept of Waterspout.

Ans:

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

15

1 Mountain & Valley Breeze

Ans:

2 Difference Between Drizzle & Rain

Ans:

3 What is mean by frontogenesis and Frontolysis?

Ans:

4 Difference between Tropical Disturbance & Tropical Depression?

Ans:

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

15

1 Define precipitation and explain types of rainfall in brief.

Ans:

2 Define air mass? Describe in brief the types of air mass.

Ans:
