

**M.A. (2022) (SEM/CR) CBCS Part-I Semester-II Examination: Oct/Nov.-2023**

**Geography (Compulsory) Paper-VI**

**GEOC26: Applied Climatology & Climate Change (New Pattern 2022)**

**Day and Date: Tuesday, 05/12/2023**

**Total Marks: 60**

**Time: 2.30 PM To 4.30 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 Hypothermia leads to -----.  
A) Hyperthermia B) Hypothermia C) Frostbite D) All of the above
- 2 The climatic data which is collected through fieldwork is known as -----.  
A) Secondary Data B) Primary Data C) Published Data D) None of the above
- 3 Which of the following is the Primary occupation of the human being?  
A) Communication B) Transport C) Agriculture D) All of the above
- 4 In Dry climates ----- type of soil is observed.  
A) Sandy B) Laterite C) Red D) All of the above
- 5 Soil is formed due to ----- process.  
A) Erosion B) Weathering C) Mass wasting D) None of the above
- 6 The climatic classification based on observed effect is called -----.  
A) Numeric Classification B) Genetic Classification C) Empirical Classification D) All of the above
- 7 The highest temperature recorded at -----latitude  
A) 200N B) 100N C) 200S D) 100S
- 8 The average precipitation of the earth is -----.  
A) 25 cm B) 50 cm C) 75 cm D) 100 cm
- 9 Koppen's climatic classification is based on ----- basis.  
A) Empirical B) Numeric C) Genetic D) All of the above
- 10 Koppen revised his scheme of climatic classification in the year -----.  
A) 1900 B) 1918 C) 1920 D) 1941
- 11 Global warming is observed as a century-scale rise in the \_\_\_\_\_ of the Earth's climate system.  
A) Double B) Average C) Median D) Extreme
- 12 In clean air the proportion of carbon dioxide is -----percent.  
A) 0.06 B) 0.08 C) 0.03 D) 0.07

- 13 Which of the following is natural source of air pollution?  
A) Industrialization B) Mining C) Volcano D) Nuclear Plants
- 14 FAO stands for-----  
A) Forest & Agriculture Organization  
B) Flood & Agriculture Organization  
C) Fishery & Agriculture Organization  
D) Food & Agriculture Organization
- 15 The term acid rain was coined in 1852 by Scottish chemist -----.  
A) Robert Smith B) Koppen C) Thornthwaite D) None of the above

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

15

- 1 Climate and Shelter
- 2 Climate and Occupation
- 3 Western Himalaya Agro-climatic Zone
- 4 Remedial measures to tackle the environmental pollution

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

15

- 1 What are the types of data sources?
- 2 Eastern Himalaya Agro-Climatic Zone
- 3 What are the causes of Acid Rain?
- 4 Major Source of Greenhouse gases?

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

15

- 1 Define Applied Climatology. State the impact of climate human and its activities.
- 2 What is ozone depletion and describe in detail the causes and impacts of ozone depletion?

## Model Answer Paper

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

15

1 Hypothermia leads to -----.

A) Hyperthermia B) Hypothermia C) Frostbite D) All of the above

Option 3

2 The climatic data which is collected through fieldwork is known as -----.

A) Secondary Data B) Primary Data C) Published Data D) None of the above

Option 2

3 Which of the following is the Primary occupation of the human being?

A) Communication B) Transport C) Agriculture D) All of the above

Option 3

4 In Dry climates ----- type of soil is observed.

A) Sandy B) Laterite C) Red D) All of the above

Option 1

- 5 Soil is formed due to ----- process.  
A) Erosion B) Weathering C) Mass wasting D) None of the above
- Option 2  
6 The climatic classification based on observed effect is called -----.  
A) Numeric Classification B) Genetic Classification C) Empirical Classification D) All of the above
- Option 3  
7 The highest temperature recorded at -----latitude  
A) 200N B) 100N C) 200S D) 100S
- Option 1  
8 The average precipitation of the earth is -----.  
A) 25 cm B) 50 cm C) 75 cm D) 100 cm
- Option 4  
9 Koppen's climatic classification is based on ----- basis.  
A) Empirical B) Numeric C) Genetic D) All of the above
- Option 1  
10 Koppen revised his scheme of climatic classification in the year -----.  
A) 1900 B) 1918 C) 1920 D) 1941
- Option 2  
11 Global warming is observed as a century-scale rise in the \_\_\_\_\_ of the Earth's climate system.  
A) Double B) Average C) Median D) Extreme
- Option 2  
12 In clean air the proportion of carbon dioxide is -----percent.  
A) 0.06 B) 0.08 C) 0.03 D) 0.07
- Option 3  
13 Which of the following is natural source of air pollution?  
A) Industrialization B) Mining C) Volcano D) Nuclear Plants
- Option 3  
14 FAO stands for-----  
A) Forest & Agriculture Organization  
B) Flood & Agriculture Organization  
C) Fishery & Agriculture Organization  
D) Food & Agriculture Organization
- Option 4  
15 The term acid rain was coined in 1852 by Scottish chemist -----.  
A) Robert Smith B) Koppen C) Thornthwaite D) None of the above
- Option 1

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

15

1 Climate and Shelter

Ans:

2 Climate and Occupation

Ans:

3 Western Himalaya Agro-climatic Zone

Ans:

4 Remedial measures to tackle the environmental pollution

Ans:

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

15

1 What are the types of data sources?

Ans:

2 Eastern Himalaya Agro-Climatic Zone

Ans:

3 What are the causes of Acid Rain?

Ans:

4 Major Source of Greenhouse gases?

Ans:

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

15

1 Define Applied Climatology. State the impact of climate human and its activities.

Ans:

2 What is ozone depletion and describe in detail the causes and impacts of ozone depletion?

Ans:

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