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1 SEM TDC GGRH (CBCS) C 2

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(Nov/Dec)

GEOGRAPHY

(Core)

Paper : C-2

(**Climatology**)

(**Theory**)

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following as directed : 1×5=5

(a) About 90% of ozone is found in the stratosphere.

(Write True or False)

(b) Redirection of electromagnetic energy through refraction and reflection is called ____.

(Fill in the blank)

(2)

(c) Write the full form of ITCZ.

(d) Monsoon season in South-East Asia is associated with sub-tropical/tropical easterly jet stream.

(Choose the correct answer)

(e) The temperature at which air is cooled to achieve saturation is called ____.

(Fill in the blank)

2. Write short notes on any two of the following : 4×2=8

(a) Troposphere

(b) Temperate cyclone

(c) Orographic rainfall

3. Give an account of the composition of the atmosphere. How do greenhouse gases influence climate? 8+2=10

Or

What is temperature inversion? Discuss the different types of temperature inversion.

2+8=10

4. What is wind? Explain the forces that affect wind. 1+9=10

Or

Give an account of the planetary wind system with a neat diagram.

10

(3)

5. Briefly explain stability and instability of the atmosphere. 10

Or

Describe Köppen's climatic classification mentioning its significance. 8+2=10

6. Write short notes on any *two* of the following : 5×2=10

- (a) Heat budget
- (b) Forms of precipitation
- (c) Horse latitudes

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