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**1 SEM TDC GGRH (CBCS) C 2**

**2 0 1 9**

( December )

**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) In the hydrological cycle, evaporation is preceded by \_\_\_\_\_.

( clouds/precipitation/heat/  
condensation )

( Fill in the blank )

(b) Intensity of insolation depends on

( latitudes/nature of terrain/  
wind/altitude )

( Choose the correct one )

( 2 )

- (c) What type of climate does the capital letter A mean in Koppen's climatic classification?

( Humid tropical/Dry climate/  
Temperate climate/Polar climate )

( Choose the correct one )

- (d) Monsoon is caused by

( impact of summer temperature on  
the sea/movement of clouds/seasonal  
reversal of winds/rise in temperature )

( Choose the correct one )

- (e) Which of the following does not come under high-pressure belt?

( Equatorial region/Subtropical  
region/Polar region/Tropical region )

( Choose the correct one )

2. Write short notes on the following (any two) :

4×2=8

(a) Inversion of temperature

(b) Heat budget of the earth

(c) Jet stream

3. Define planetary winds. Discuss the forces that affect the wind system. 2+8=10

*Or*

Give an account of the origin and mechanism of monsoon. Write how it affects the overall climate of India. 5+5=10

4. What is insolation? Write an account on the spatial variation of insolation. 2+8=10

*Or*

Give a detailed account on the structure and composition of atmosphere. 5+5=10

5. Discuss the Koppen's climatic classification of the world. 10

*Or*

What is extra-tropical cyclone? Discuss the origin and mechanism of extra-tropical cyclone. 2+8=10

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

- (a) Tropical cyclone
- (b) Cumulus cloud and its associated weather conditions
- (c) Variation of atmospheric composition with the altitude and latitude

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