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PG CBCS
M.A. & M.Sc. Semester-I Examination, 2021
GEOGRAPHY
 PAPER: GEO 103
 (CLIMATE, SOIL & AGRICULTURE)

Full Marks: 40

Time: 2 Hours

The figures in the right-hand margin indicate full marks.
 Candidates are required to give their answers in their own words as practicable.
 Illustrate the answers wherever necessary.

Write the answer for each unit in separate sheet

GROUP/UNIT

(GEO 103.1: CLIMATOLOGY)

Answer any TWO questions from the following:

2 X 10=20

1. Mention the favourable conditions for the heavy rainfall in the Af climatic region. How does shifting of pressure belts influence the rainfall regime of savanna climate?
2. Enumerate the conditions responsible for genesis of tropical cyclone with special reference to Bay of Bengal.
3. Elaborately discuss about the relationship between Jet Stream and Indian Monsoon on its origin.
4. What is meant by sea surface temperature? Explain with examples the influence of SST on the coastal weather conditions.
5. Briefly discuss the possible causes of climate change during the geological history.

GROUP/UNIT

(GEO 103.2: SOIL AND AGRICULTURE)

Answer any TWO questions from the following:

2 X 10=20

1. Discuss the role of climatic and relief factors on soil formation.
2. What is meant by GM crops? State the advantages and disadvantages of GM crops.
3. Discuss the concept of soil catena with relation to soil hydrology.
4. Critically examine the initiatives for implementing the National Food Security Mission in India.
5. 'The green revolution in India is not completely green.' - Justify the statement.