

SECTION A :

PHYSICAL GEOGRAPHY

1. (a) What are the differences between precipitation and evapotranspiration? (6 marks)
- (b) Examine the influence of latitude and any two other factors on the pattern of precipitation over the earth's surface (10 marks)
- (c) Discuss the ways in which the equatorial climate is different from the tropical monsoon climate. (9 marks)
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2. (a) Explain any two of the following weathering processes: (10 marks)
- (i) Frost action (congelifraction)
- (ii) Thermal shattering
- (iii) Carbonation
- (b) Examine the nature of the hazard associated with the down slope movement of weathered material in the tropical milieu. (10 marks)
- (c) Suggest possible measures to deal with the problems in (b). (5 marks)
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3. (a) What do you understand by (i) soil system and (ii) ecosystem equilibrium. (12 marks)
- (b) Referring to a named ecosystem, show how any two of the following pairs of ecosystem components are interrelated (i) climate and soil. (ii) climate and vegetation (iii) soil and vegetation (13 marks)

SECTION B:

HUMAN GEOGRAPHY

4. (a) Distinguish between overpopulation and carrying capacity. (8 marks)
- (b) How can population policies be used to combat high population growth rates? (8 marks)
- (c) Explain the factors that trigger forced migration today. (9 marks)
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5. (a) What do you understand by "Industrial Location Quotient"? (10 marks)
- (b) Why do governments influence the location of industries? (15 marks)
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6. (a) Explain the concept of Rank-Size Rule as used in urban geography. (8 marks)
- (b) To what extent are village forms and patterns an adaptation to their local physical environment? (17 marks)

SECTION C:

CONTEMPORARY ENVIRONMENTAL AND DEVELOPMENT ISSUES

7. EITHER
- (a) Attempt an explanation of environmental degradation (5 marks)
- (b) Examine the causes of either erosion or deforestation and explain how any of the one chosen can be checked. (20 marks)
- OR
- (a) Explain what is meant by sustainable development (8 marks)
- (b) In what ways can sustainable development be achieved? (17 marks)