

## 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:  
(i) Frost action (congelifraction) (10 marks)  
(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)