

SECTION A:

PHYSICAL GEOGRAPHY

1. (a) What do you understand by “Lapse rate” as used in Meteorology? **(8 marks)**
(b) Examine the significance of lapse rate in Meteorology **(17 marks)**
2. (a) Distinguish between the kinetic and geometric aspects of the theory of plate tectonics **(10 marks)**
(b) Examine the relationship between convergent boundaries and natural hazards. **(15 marks)**
3. To what extent does climate influence ecosystem productivity? **(25 marks)**

SECTION B:

HUMAN GEOGRAPHY

4. (a) what do you understand by the ‘population problem’? **(8 marks)**
b) How can agriculture be improved to solve the population problem? **(15 marks)**
5. Compare and contrast the land use models of Sinclair and Von Thunen. **(25 marks)**
6. Examine why nucleated rural settlement patterns change over time **(25 marks)**

SECTION C:

CONTEMPORARY ENVIRONMENTAL AND DEVELOPMENTAL AND DEVELOPMENT ISSUES

EITHER

7. Examine the factors that influence the structure and pattern of international trade **(25 marks)**

OR

- (a) What are the effects of present climate change? **(17 marks)**
(b) Examine the efforts which have been made to curb the negative effects. **(8 marks)**