

- General instructions: (1) Answer for one mark question to write in one or two sentences.
(2) Answer for three mark question will not exceed 80 to 100 words.
(3) Answer for five mark question will not exceed 120 to 150 words.

- Q1 “Geography is a discipline of synthesis.” Justify the statement by giving examples that when Geography attempts spatial synthesis then History attempts temporal synthesis. (1)
- Q2 Which hypothesis was a popular argument postulated by the German philosopher Immanuel Kant regarding the origin of the earth? (1)
- Q3 What is a Caldera? (1)
- Q4 Which were the forces suggested by the German meteorologist Alfred Wegener for the cause of continental drifting? Name those two forces. (1)
- Q5 What is a mineral? How is mineral different from a rock? (1)
- Q6 What is mass movement? Mention any two factors responsible for mass movement. (1)
- Q7 Why do we consider dust and salt particles as hygroscopic nuclei? Give one reason. (1)
- Q8 Explain the Big Bang Theory for origin of universe in three stages. (3)
- Q9 “Rocks do not remain in their original form for long...” Why do rocks undergo transformation? Discuss the rock cycle giving examples from the three major types of rock. (3)
- Q10 Discuss any three evidences that proposed by Alfred Wegener in support of his theory of continental drift. (3)
- Q11 Compare the characteristic features of the earth’s crust and mantle in the interior part of the earth. (3)
- Q12 Compare the role of oxygen and carbon dioxide in the atmosphere to support life. (3)
- Q13 Why do the amount and intensity of insolation vary over a period of time and space? Explain any three reasons. (3)
- Q14 a) Why do you think that the direct sources of information are not adequate to learn about the interior of the earth? Give one reason. (1)
b) How are the primary and secondary waves helpful to understand the structure of the interior of the earth? Explain one point of difference. (1)
c) Discuss any three types of earthquakes which are caused due to human interference into the nature. (3)

- Q15 Why do we say that the movement of Indian Plate is the result of “continent convergence”? (1)
Support your answer by giving one point. (3)
Explain the stages of movement of India plate by providing a suitable diagram. (1)
- Q16 “The earth as a whole does not accumulate or loose heat. It maintains its temperature”. (5)
Illustrate the concept of vertical heat balance with suitable diagrams.
- Q17 Draw a neat diagram to show the structure of the Atmosphere and label it correctly. Write (2)
the significance of the first layer of Atmosphere to support the life system on the earth. (3)
(Explain any three points)
- Q18 What is weathering? How do physical and chemical weatherings determine the changes in (5)
the landform features? Explain any two features of each type of weathering respectively.
- Q19 Compare igneous and sedimentary rocks on their origin, properties and classification. Give (5)
two examples for each type of rock.
- Q20 How do the processes of orogenic and epeirogenic movements result into various changes (5)
on the earth’s crust? Compare these movements on any two aspects. Why do we consider
the work of Geomorphic agents as exogenic process in order to bring changes on the land
surface? Give one reason and mention the name of any four Geomorphic agents involved in
this process.
- Q21 Point out the following items in the given map of the world: (5)
a) Nazca plate
b) Aleutian Trench
c) Indo-Australian Plate
d) Yellowstone
e) Ring of fire
- Q22 Draw a diagram of volcanic intrusive landform features and label them correctly. (2)
Define any three intrusive features among them. (3)