

22108

23124

3 Hours / 70 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answer with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) Assume suitable data, if necessary.
(6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

- 1. Attempt any FIVE of the following: 10**
- Define “Geology”.
 - Define strike and dip.
 - Define “Moh’s scale of Hardness”.
 - Define “Isostasy”.
 - Define “Igneous Rock”.
 - State types of “Coal”.
 - Define “Pedestal Rock.”
- 2. Attempt any THREE of the following: 12**
- Describe continental drift.
 - Explain chemical properties of Minerals.
 - Explain structures of sedimentary rocks.
 - Enumerate various chemical properties of coal.
 - Describe various branches and scope of Geology.

P.T.O.

- 3. Attempt any THREE of the following: 12**
- a) What is an Earthquake? Explain the causes of Earthquake. Define focus and epicenter.
 - b) Elaborate structure of Igneous rocks.
 - c) Compare folds with faults.
 - d) Give an outline of various method to evaluate the age of earth and explain merits and demerits.
 - e) Explain structural features of coal seam.
- 4. Attempt any THREE of the following: 12**
- a) What is symmetry of crystal? Describe in brief various criteria of symmetry.
 - b) What is volcano? Explain products of volcano.
 - c) Explain depositional features of river.
 - d) Explain 'Horst' and 'Graben' fault structure with a neat sketch.
 - e) What is unconformity? Describe classification and types of it.
- 5. Attempt any TWO of the following: 12**
- a) Explain texture of Igneous rock.
 - b) What is fault? Explain recognition of fault in the field.
 - c) Describe types of eruption of volcano.
- 6. Attempt any TWO of the following: 12**
- a) With a neat sketch, explain physical properties of minerals with example.
 - b) Explain characteristics of contour lines.
 - c) Explain formation of sedimentary rock.
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