

22108

21819

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 answers with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) 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 and name the different branches of Geology.
 - Define Isomorphism and Polymorphism
 - Define Earthquake with their types
 - Define DIP with their types
 - Compare between Anticline fold and Syncline fold.
 - List the four characteristics of contour line
 - Define different metamorphic zone.
- 2. Attempt any THREE of the following: 12**
- Describe Interior of the Earth with well label diagram.
 - Define the different physical properties of mineral which are used in the recognition of mineral in hand specimen.
 - Describe seismograph with well label diagram.
 - Explain Rock cycle
 - Define Joint. Describe the classification of joint.

P.T.O.

- 3. Attempt any THREE of the following:** **12**
- a) Describe the Banded constituent of coal.
 - b) Describe continental Drift theory.
 - c) Define mineral describe their types with example.
 - d) Describe schistose and slaty structure with neat sketch.
 - e) Illustrate various particle in sediments with grade, grain size and rock types in tabular form.
- 4. Attempt any THREE of the following:** **12**
- a) Describe Isostasy with their different theory.
 - b) Define Volcano. Describe the different products of volcano.
 - c) Describe Lopolith and Lacolith with neat sketches.
 - d) Describe unconformity with their different types and neat sketches.
 - e) Define any four chemical properties of coal.
- 5. Attempt any TWO of the following:** **12**
- a) Describe coal with their origins classification, occurrence and distribution in India.
 - b) Describe fault with their classification and neat sketches.
 - c) Describe sedimentary rocks with their classification.
- 6. Attempt any TWO of the following:** **12**
- a) Describe the procedure for drawing geological section Map.
 - b) Define crystal describe the different types of crystal system.
 - c) Describe weathering with their classification.
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