

22108

21222

3 Hours / 70 Marks

Seat No.

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15 minutes extra for each hour

- 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) 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**
- a) Define Minerology.
 - b) Define Specific Gravity.
 - c) Define Metamorphic Rocks
 - d) Name the types of Erosion.
 - e) State the True Dip and Apparent Dip.
 - f) Name the types of Bands of Coal.
 - g) State the characteristics of Metamorphic rocks.
- 2. Attempt any THREE of the following: 12**
- a) Describe the Interior of the Earth.
 - b) Compare Cleavage and fracture of minerals.
 - c) Describe 'Eskers'.
 - d) Classify the Igneous Rocks.
 - e) Compare Horsts and Grabens.

P.T.O.

- 3. Attempt any THREE of the following:** **12**
- a) Describe chemical constituents of coal.
 - b) Illustrate with diagram the origin of Earth. (Any one theory)
 - c) Describe various physical properties of minerals.
 - d) Classify the various volcanoes.
 - e) Describe the structure of sedimentary rocks.
- 4. Attempt any THREE of the following:** **12**
- a) Describe the structure exhibited by Igneous Rocks.
 - b) Describe various joints.
 - c) Classify different types of Unconformities.
 - d) Describe various ranks of coal.
 - e) Explain various causes of Earthquakes.
- 5. Attempt any TWO of the following:** **12**
- a) Describe the theories of continental Drift.
 - b) Explain the chemical properties of minerals.
 - c) Describe the geological effects of Earthquakes.
- 6. Attempt any TWO of the following:** **12**
- a) Describe the classification of sedimentary rocks.
 - b) Describe the field evidences of recognition of folds in the field.
 - c) Explain the characteristics of contour lines.
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