

22108

12223

3 Hours / 70 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each Section on same/separate answer sheet.
(3) Answer each next main Question on a new page.
(4) Illustrate your answer with neat sketches wherever necessary.
(5) Figures to the right indicate full marks.
(6) Assume suitable data, if necessary.

Marks

- 1. Attempt any FIVE of the following: 10**
- Define petrology.
 - Define cleavage.
 - List three main types of weathering.
 - Define intrusive and extrusive rocks.
 - Define “true dip” and “apparent dip”.
 - List types of coal according to their rank.
 - List four structures of sedimentary rocks.
- 2. Attempt any THREE of the following: 12**
- Describe any one theory for origin of the earth.
 - Describe Jolly’s Spring Balance method to determine specific gravity.
 - Describe different types of depositional land forms of river.

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- d) Illustrate the different agents of metamorphism.
- e) Describe the different types of joints in igneous rocks.
- 3. Attempt any THREE of the following: 12**
- a) Describe origin of coal.
- b) Describe “Airys Hypothesis of Isostasy”.
- c) Compare cleavage with fracture.
- d) Classification of volcanoes.
- e) Describe the different textures of igneous rocks.
- 4. Attempt any THREE of the following: 12**
- a) Describe “Rock Cycle”.
- b) Describe the importance of dip.
- c) Describe the classification of unconformities.
- d) Describe the physical properties of any two types of coal.
- e) Classification of Earthquakes.
- 5. Attempt any TWO of the following: 12**
- a) Describe interior of the earth.
- b) Describe any two crystal systems.
- c) Describe geological work of wind.
- 6. Attempt any TWO of the following: 12**
- a) Describe the formation of Igneous rocks.
- b) Describe classification of folds or faults.
- c) Describe various terminologies associated with fault.
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