

- Instructions:** (i) Draw neat diagrams whenever necessary.
(ii) Write proper answer number.

Q-1 Describe the facies concept and igneous phenomena. (14)

OR

Q-1 (a) Concepts of general stratigraphy. (07)

(b) History of Geology of India. (07)

Q-2 Discuss the standard stratigraphical eras and their sub-divisions. (14)

OR

Q-2 (a) Palaeogeography of Lower Palaeozoic era. (07)

(b) Life forms of Tertiary period. (07)

Q-3 Explain Khondalite, Gondite and Charnockite series. (14)

OR

Q-3 (a) Lithology and mode of occurrence of Dharwar. (07)

(b) Lower Vindhyan rocks. (07)

Q-4 Write a note on mode of origin, age, thickness and petrology of the Deccan Traps. (14)

OR

Q-4 (a) Laterite deposits. (07)

(b) Tertiary deposits of Saurashtra and South Gujarat. (07)

Q-5 **Attempt any seven questions out of twelve.** (14)

- (i) Define type section.
- (ii) What is the meaning of petrographic province?
- (iii) Name the oldest tectonic phenomena. Give one example.
- (iv) State the world equivalent of Himalayas.
- (v) Give one palaeogeographic condition for Cretaceous period.
- (vi) Mention the life forms of Carboniferous period.
- (vii) Mention the locality and economics of Champamer series.
- (viii) State the economics of Dharwar system.
- (ix) Give the significance of Bijawar series.
- (x) Mention the composition of Thar desert.
- (xi) Name the series of Middle Gondwana system.
- (xii) State the significance of Dhosa Oolite.