

M.Sc Integ in App Geo Sem-4 Examination
AGLFC-208

Stratigraphic Prin. & Indian Stratigraphy

Time : 2-00 Hours]

April 2022

[Max. Marks : 50

Attempt any three questions from section –I

- Q - 1 Discuss physiography of India in detail. [14]
- Q - 2 (i) Explain basic principles of stratigraphy. [07]
 (ii) Write a note on stratigraphic correlation. [07]
- Q - 3 Explain petrology of Archaean System. Also add a note on Archaean rocks of the Himalaya. [14]
- Q - 4 (i) Discuss Gondite and Iron Ore Series of Dharwar System. [07]
 (ii) Explain petrology, homotaxis and economic significance of the Dharwar System. [07]
- Q - 5 Describe lithology, azoic nature, classification and economic significance of the Cuddapah System. [14]
- Q - 6 (i) Discuss life forms and economic importance of the Vindhyan System. [07]
 (ii) Write a note on the Vindhyan of Rajasthan. [07]
- Q - 7 Discuss Talchir, Raniganj and Damuda series in detail along with their economic significance. [14]
- Q - 8 (i) Discuss Patcham, Chari, Katrol and Umia Series. [07]
 (ii) Write notes on Bagh Beds and Lameta Series. [07]
- Q - 9 **Answer any eight of the following short questions.** [08]
- (i) Define stratigraphy.
- (ii) Name the system representing Dharwar of Rajasthan.
- (iii) Give the classification of the Mesozoic Era.
- (iv) Define sequence stratigraphy.
- (v) Provide the mineralogy of Khondalites.
- (vi) State the origin of the Lameta Limestone.
- (vii) What do you understand by the term “K-T Extinction”?
- (viii) Provide the stratigraphic position of Himmatnagar Sandstone.
- (ix) Give the name of formation of Cretaceous of Narmada Valley.
- (x) Provide the name of important flora found in the Damuda Series.
- (xi) Provide the classification of the Lower Cuddapah System.
- (xii) Comment on the origin of the Talchir Series.