

2023
M.Sc.
Second Semester
CORE – 05
GEOLOGY
Course Code: MGLC 2.11
(Palaeontology)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. What is trace fossil? Explain the classification of trace fossil. 14
2. Describe the environmental factors controlling the distribution and abundance of life. 14

UNIT-II

3. Explain the morphology, classification and evolution of Trilobites. 14
4. Write notes on the following: 7×2=14
 - (a) Morphology of pelecypod
 - (b) Test of echinoids

UNIT-III

5. Explain the evolution of horse. 14
6. Explain in brief the major events in the history of Precambrian and Phanerozoic life. 7+7=14

UNIT-IV

7. Discuss the classification, morphology, and palaeoecological significance of ostracods. 14

8. Write notes on the following: 7×2=14
(a) Application of micropalaeontology in hydrocarbon exploration
(b) Classification and morphology of Foraminifera

UNIT-V

9. Explain in brief the morphology, environmental application and stratigraphic significance of calcareous nannofossils. 14
10. Discuss the morphology, classification, and application of pollens. 14
-