

2022
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. Explain the concept of taphonomy citing limiting factors. 14
2. Discuss the origin of life. 14

UNIT-II

3. Explain the morphology, classification and evolution of brachiopods. 14
4. Write notes on the following: 7×2=14
 - (a) Belemnites
 - (b) Morphology of gastropods

UNIT-III

5. Discuss the significance of life events that is associated with Phanerozoic Eon. 14
6. Write notes on the following: 7×2=14
 - (a) Evolutionary trends of elephants
 - (b) Fossils of Siwalik

UNIT-IV

7. Discuss the various methods of sampling and processing of microfossils. 14
8. Write notes on the following: 7×2=14
- (a) Morphology and significance of Foraminifera
 - (b) Radiolarians: Morphology and biogeography

UNIT-V

9. Discuss the morphology and environmental application of dinoflagellates. 14
10. Explain the morphology, classification and application of spores. 14
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