

Set-A

University of Delhi

Name of the Paper: Paleontology

Unique paper code: 32191303_OC (Old Course)

Course: B.Sc. (H) Geology (CBCS)

Semester-III

Duration: 3 Hrs.

Maximum marks: 75

Attempt any **four** questions. All questions carry equal marks.

1. Discuss the various stages of fossilization processes and its importance in interpretation of depositional environments. Comment on the completeness of fossils record through time.
2. Describe the shell morphology of brachiopods with neat sketches and its significance in Palaeozoic biostratigraphy.
3. Give the classification of trace fossils and ichnofacies concept and discuss their utility in paleoenvironmental interpretation.
4. a) Species concept in paleontology
b) Inter-treppean flora
c) Punctuated Equilibrium vs Phyletic Gradualism
5. What are the major stages in the evolution of horse? Explain how climate has influenced the evolution of horses.
6. When did first human fossils appear in the fossil record and where? Which continent was the centre of origin for humans? Discuss different stages of human evolution and accompanying evolutionary changes.