

[This question paper contains 2 printed pages.]

Sr.No. of Question Paper : 882

E

Your Roll No.....

Unique Paper Code : 219203

Name of the Course : **B.Sc. (Hons.) Geology**

Name of the Paper : Palaeontology [GEHT-202]

Semester : II

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Answer any **five** questions.
3. **All** questions carry equal marks.

1. How strong is the fossil record as a sample of past life ? Give the age wise account of various geological sites with exceptional preservation of past life.
2. Write short notes on any **two** of the following :
 - (i) Faunal Province
 - (ii) Burgess shale fauna
 - (iii) Carbonization
3. Discuss the biostratigraphic significance of Mesozoic ammonoids.
4. Write short notes on any **two** of the following :
 - (a) Role of plants in palaeoclimatic reconstructions
 - (b) Inter-trappean flora
 - (c) Human evolution in the light of their fossil record

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5. Differentiate between any **two** of the following :
- (a) Cidaris and Hemicidaris
 - (b) Schizochroal and Holochroal
 - (c) Brachiopod shell and bivalve shell
6. Describe the Gondwana flora and its plaeoclimatic implications.
7. What are the major trends in the evolution of horse ? Discuss various stages and associated climate changes with them.
8. Write short notes on any **two** of the following :
- (a) Origin of Dinosaurs
 - (b) Biological affinities of graptolites
 - (c) Criteria for the classification of Trace fossils