

Roll No. : .....

Total No. of Questions : 11 ]

[ Total No. of Printed Pages : 3

# **BPP-1088**

**M.Sc. (Previous) Examination, 2022**

**GEOLOGY**

Paper - III

**(Stratigraphy and Palaeontology)**

*Time : 3 Hours ]*

*[ Maximum Marks : 75*

**Section-A**

**(Marks : 2 × 10 = 20)**

**Note :-** Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

**Section-B**

**(Marks : 5 × 5 = 25)**

**Note :-** Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **5** marks.

**Section-C**

**(Marks : 10 × 3 = 30)**

**Note :-** Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

**Section-A**

1. Answer all ten questions :

- (i) Define Stratigraphy.
- (ii) Define Extinction.

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**BPP-1088** P.T.O.

- (iii) What is Succession ?
- (iv) What is Geochronology ?
- (v) What is Two-fold Classification.
- (vi) What is the age range of the Gondwana Supergroup ?
- (vii) What are Nannofossils ?
- (viii) What are Pollen and Spore ?
- (ix) The geological age of *Merichihippus*.
- (x) What is the meaning of Gastropod ?

### **Section-B**

#### **Unit-I**

2. Describe the Code of Stratigraphic Nomenclature.

*Or*

Write notes on elements of Palaeoecology.

#### **Unit-II**

3. Describe the Archaen and Proterozoic tectonic patterns.

*Or*

Write notes on Cretaceous Tertiary (K-T) Boundary Problem.

#### **Unit-III**

4. Describe the Quaternary Geology of Rajasthan.

*Or*

Describe the Fauna and Paleogeography of Gondwana Supergroup.

#### **Unit-IV**

5. Write notes on Conodonts.

*Or*

Describe the geological significance of micro-fossils.

**Unit-V**

6. Write short notes on class Reptilia and Aves.

*Or*

Describe the evolutionary trends of horse.

**Section-C**

7. Describe the origin and evolution of Life.  
8. Describe the Precambrian–Cambrian Succession of Rajasthan.  
9. Describe in detail about the Deccan Traps.  
10. Write the morphology, classification and ecology of Gastropoda.  
11. Describe the evolution of Elephant.