

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BPG-1100

M.Sc. (Previous) Examination, 2021

GEOLOGY

Paper-III

(Stratigraphy and Palaeontology)

Time : 1½ 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

2 each

1. Attempt all *ten* questions :

- (i) Define Evolution.
- (ii) What is Lithosome ?

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- (iii) What is Palaeogeography ?
- (iv) What is geological age of Marwar Supergroup ?
- (v) Write the names of any *four* tertiary formation of Rajasthan.
- (vi) Write the main rock type of Kapuradi formation.
- (vii) What are Microfossils ?
- (viii) Ostracoda belongs to which class ?
- (ix) The geological age of *Miohippus*.
- (x) What is meaning of Bivalve ?

Section-B

5 each

Unit-I

2. Describe the formation and evolution of greenstone Terrain.

Or

Write notes on evidence of evolution of life.

Unit-II

3. Describe the Triassic rocks found in India.

Or

Describe nomenclature, division and fauna of Tertiary rocks of Barmer Basin.

Unit-III

4. Describe the K-T boundary in India.

Or

Describe the flora of Gondwana Supergroup.

Unit-IV

5. Describe the technique of collection, separation and preservation of micro fossils.

Or

Write notes on Anthozoa.

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Unit-V

6. Write a short notes on Pisces and Reptilia.

Or

Describe the morphology and geological history of Gastropoda.

Section-C

10 each

7. Describe the principles of stratigraphic classification.
8. Describe the rocks of Mesozoic of Rajasthan.
9. Describe the tertiary rocks of Rajasthan.
10. Write the morphology, classification and ecology of Cephalopod.
11. Describe the evolution of Man.