

Roll No. :

Total No. of Questions : 11]

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GEOLSEM-129

M.Sc. (Ist Semester) Examination, Dec., 2022

GEOLOGY

Paper - GEOL-104

**(Principles of Stratigraphy and Precambrian
Geology of India)**

Time : 3 Hours]

[Maximum Marks : 75

The question paper contains three Sections.

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

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- (iii) What is dating of rocks ?
- (iv) What is Palaeoecology ?
- (v) What is Biostratigraphy ?
- (vi) Which group of Cuddapah basin shows highest lateral extent ?
- (vii) In which state the type area of Dharwar supergroup is occurred.
- (viii) What is Dalma traps ?
- (ix) What is the age of Malani Igneous suite ?
- (x) Name the magmatism by which Delhi supergroup is intruded ?

Section-B

2. Discuss code of stratigraphic nomenclature.

Or

Discuss principles of Stratigraphy.

3. Discuss the early history of the earth.

Or

Discuss imperfection of geological records.

4. Discuss about Closepet granite.

Or

Discuss about Eastern ghat province.

5. Discuss about Kaladgi group.

Or

Discuss about Pakhal group.

6. Discuss classification of Marwar supergroup.

Or

Discuss classification of Delhi supergroup.

Section–C

7. Describe the standard stratigraphic scale and its equivalent in Indian sub-continents.
8. Describe formation and evolution of Greenstone terrains.
9. Describe the distribution, succession and economic importance of Guddapah supergroup.
10. Describe the distribution, succession and economic importance of Dharwar supergroup.
11. Describe the Archaeans of Rajasthan.