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1. Describe the units of Lithostratigraphy and correlation of lithostratigraphy.

Or

Describe the Chhattisgarh group of rocks and show the correlation of Chhattisgarh group with other units of India.

2. Give a note in detail about the Physiographic division of India with neat diagram.

Or

Describe the Economic importance of Extra-peninsular and Peninsular India.

3. Describe Eastern-ghat mobile belt.

Or

Describe Satpura mobile belt.

4. Describe Gondwana group of rocks.

Or

Describe Jurassic rocks in Extra-peninsular India.

5. Explain Evolution of Man.

Or

Explain Evolution of Equidae.

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Roll No.....

## I Semester Examination, April-2021

M.Sc.

GEOLOGY

Paper III

(Principles of Stratigraphy and Indian Geology)

Time : 3 Hours ]

[Maximum Marks : 80

**Note :** All questions are compulsory. Question Paper comprises of 3 sections. **Section A** is objective type/Multiple Choice questions with no internal choice. **Section B** is short answer type with internal choice. **Section C** is long answer type with internal choice.

### SECTION 'A'

(Multiple Choice Questions)

Choose the correct answer :

1×10 = 10

1. The idea that younger beds are deposited on top of older beds is called the :
- (a) Principle of Original Horizontality
  - (b) Principle of Cross-Cutting Relationships
  - (c) Principle of Original Continuity
  - (d) Principle of Superposition
2. Main Central Thrust present between :
- (a) Siwalik and Lesser Himalaya
  - (b) Lesser Himalaya and Himadri
  - (c) Himadri and Tethys Himalaya
  - (d) Siwalik and Indo-Gangetic plains

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3. Gandikota Quartzite present in which group ?  
(a) Papaghni group (b) Chitravati group  
(c) Nallamali group (d) Karnool group
4. Pennsylvanian and Mississippian series are the part of :  
(a) Permian (b) Cambrian  
(c) Carboniferous (d) Devonian
5. Trilobite is recorded in the geological history from :  
(a) Cambrian to Devonian  
(b) Cambrian to Permian  
(c) Cambrian to Carboniferous  
(d) Carboniferous to Permian
6. Which formation is associated with Asbestos deposits ?  
(a) Gulcheru quartzite (b) Vempalle formation  
(c) Cumbum shale (d) Tadpatri shale
7. Eohippus is also known as :  
(a) Modern horse (b) Mountain horse  
(c) Dawn horse (d) None of these
8. Which man is known as Java man ?  
(a) Ramapithecus (b) Australopithecus  
(c) Pithecanthropus (d) Sinanthropus
9. Which was the first horse in old world ?  
(a) Merychippus (b) Equips  
(c) Eohippus (d) Mesohippus
10. Upper Carboniferous to lower Permian age is generally accepted for the :  
(a) Barakar formation

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- (b) Talchir formation  
(c) Karharbari formation  
(d) Raniganj formation

**SECTION 'B'**  
**(Short Answer Type Questions)**

5 × 4 = 20

**Note :** Answer the following questions in 250 words.

1. Write note on Stratigraphic Principle.

Or

Write note on Biostratigraphic units.

2. Geological Time scale.

Or

Economic importance of Peninsular India.

3. Difference between EDC and WDC.

Or

Write note on Khairagarh group of rocks.

4. Oligocene-Lower Pleistocene rocks of Assam.

Or

Write note on Siwalik Fauna.

5. Write note on Pc-C Boundary.

Or

Write note on K-T Boundary.

**SECTION 'C'**  
**(Long Answer Type Questions)**

10 × 5 = 50

**Note :** Answer the following questions in 500 words.

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P.T.O.