

**20U520S**

(Pages: 2)

Name: .....

Reg. No.....

**FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

(CUCBCSS-UG)

**CC15U GL5 B09 – STRATIGRAPHY AND PHYSIOGRAPHY OF INDIA**

(Geology- Core Course)

(2015 to 2018 Admissions – Supplementary/ Improvement)

Time: Three Hours

Maximum: 80 Marks

*Draw neat diagrams wherever necessary.*

**Part- A**

Answer *all* questions. Each question carries 1 mark.

1. A \_\_\_\_\_ is a stratum or assemblage of adjacent strata recognized as a unit in the classification of the Earth's rock sequences.
2. A \_\_\_\_\_ is a formal unit in the hierarchy of sedimentary lithostratigraphic units.
3. The unit of geologic time during which chronostratigraphic units were formed are called \_\_\_\_\_
4. What is the geochronological equivalent of a system?
5. Principle of superposition was put forward by \_\_\_\_\_
6. A minor break in succession due to non-deposition.
7. A Mesozoic succession in India.
8. A method used for dating.
9. \_\_\_\_\_ are the type section of strata serving as the standard for the definition and recognition of a stratigraphic unit.
10. Who is considered as the father of Geology?

**(10 × 1 = 10 Marks)**

**Part- B**

Answer any *ten* questions. Each question carries 2 marks.

11. Law of original horizontality.
12. Homotaxis.
13. Non-sequences.
14. Acme Zone.
15. Diastem.
16. Uniformitarianism.
17. Lithofacies.

18. Hiatus.
19. Stratum.
20. Indian geological time scale.
21. Principle of lateral continuity.
22. Biofacies.

**(10 × 2 = 20 Marks)**

**Part- C**

Answer any *five* questions. Each question carries 6 marks.

23. Geological Time scale.
24. Physical and biological criteria of correlation.
25. Bio-stratigraphic classification.
26. Relative and absolute dating techniques.
27. Indicators for identifying the top and bottom of beds.
28. Index fossils.
29. Chronostratigraphic classification.
30. Physiographic divisions of India.

**(5 × 6 = 30 Marks)**

**Part- D**

Answer any *two* questions. Each question carries 10 marks.

31. Write an essay on the stratigraphic divisions of India.
32. Write an essay on Unconformities.
33. Write an essay on Lithostratigraphic classification.
34. Give an essay on major rivers in India.

**(2 × 10 = 20 Marks)**

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