

16U520

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Name:

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS-UG)

CC15U GL5 B09 - STRATIGRAPHY AND PHYSIOGRAPHY OF INDIA

(Geology – Core Course)

(2015-Admission onwards)

Time: Three Hours

Maximum: 80 Marks

Draw neat sketches wherever necessary.

Part A

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

1. Stable tectonic element of the earth crust is called
2. The smallest rock stratigraphic unit.
3. The environment of deposition of the Cretaceous rocks of Trichinopoly.
4. What is the boundary age of the Quaternary-Tertiary Period?
5. The fundamental unit of lithostratigraphic classification.
6. The law of cross cutting relationship was proposed by
7. An unconformity that separates igneous or metamorphic rocks from overlying sedimentary rocks.
8. The Banganapalle Quartzite belongs to which Super Group?
9. A characteristic rock of the Easternghats.
10. Age of Muth quartzite.

(10 x 1 = 10 Marks)

Part B

(Short Answer Type Questions)

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

11. Diastem.
12. Principle of inclusion.
13. Hiatus.
14. Acme zone.
15. Epochs.
16. Homotaxis.
17. Tertiary Period and its subdivisions.
18. Catastrophism.
19. Eparchean unconformity.

20. Hadean.
21. Stromatolites.
22. Index fossil.

(10 x 2 = 20 Marks)

Part C

(Paragraph Type Questions)

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

23. Law of Faunal succession.
24. Correlation based on fossils.
25. Lithostratigraphic classification.
26. Absolute dating of rocks.
27. Litho and bio facies.
28. Angular unconformity.
29. Chronostratigraphic units.
30. Principle of Uniformitarianism.

(5 x 6 = 30 Marks)

Part D

(Essay Type Questions)

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

31. Write an essay on the fundamental principles of stratigraphy.
32. Describe the major geological records of Proterozoic, Palaeozoic and Mesozoic eras.
33. Describe biostratigraphic classification and its units.
34. Describe physiographic divisions of India mentioning major rivers, mountains and other important features.

(2 x 10 = 20 Marks)
