

**18U520**

(Pages: 2)

Name: .....

Reg. No.....

**FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2020**

(CUCBCSS-UG)

(Regular/Supplementary/Improvement)

**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 in one word **or** one sentence each.

1. Oldest mountain ranges of India.
2. An index plant fossil of Upper Gondwana super group.
3. The environment of deposition of the Warkalli formation.
4. What is the boundary age of the Mesozoic-Cenozoic Era?
5. Era of the geological time scale that represents longest time.
6. The super group of rocks deposited in the Crescent shape basin.
7. Age of fishes.
8. Erathem vs. System.
9. What is a Craton?
10. The super group of rocks in central India, which bear diamonds.

**(10 x 1 = 10 Marks)**

**Part B** (Short Answer Type Questions)

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

11. Precambrian Eon.
12. Principle of faunal succession.
13. Hiatus.
14. Acme zone.
15. Indus suture.
16. Biofacies.
17. Peninsular rivers.
18. Karewa formation.
19. Age of Saline Series.
20. Plutonism.
21. Indo-Gangetic alluvium.

22. Homotaxis.

(10 x 2 = 20 Marks)

**Part C** (Paragraph Type Questions)

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

23. Principle of Uniformitarianism.

24. Relative and absolute dating in stratigraphy.

25. Muth Quartzite.

26. Correlation based on fauna and flora.

27. Cuddalore sandstone.

28. Mesozoic representation in the Indian Stratigraphy.

29. Extra Peninsular India.

30. Break in stratigraphic records.

(5 x 6 = 30 Marks)

**Part D** (Essay Type Questions)

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

31. Write an essay on stratigraphic correlation and geological time scale.

32. Discuss lithostratigraphic classification and its formal and informal units.

33. Write an essay on Precambrian rocks of peninsular India.

34. Describe major stratigraphic divisions of India with respect to their age, rock types and importance.

(2 x 10 = 20 Marks)

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