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Name:

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(CUCBCSS-UG)

CC15U GL5 B10 - INDIAN GEOLOGY

(Geology - Core Course)

(2015 to 2018 Admissions – Supplementary/Improvement)

Time: Three Hours

Maximum: 80 Marks

Draw neat sketches wherever necessary

Part A

Answer *all* questions in one word or one sentence each. Each question carries 1 mark.

1. Singhbhum craton is bordered to the the east by
2. The equivalent of the Sargur group of rocks in Kerala.
3. Oldest rocks of the Aravalli craton.
4. Lignite in Kutch is associated with formation.
5. The unconformity between the Proterozoics and older basement crystallines is known as
6. Age of Barakar and Karharbari formations
7. The Devonian marker horizon in the Himalayas
8. *Nilsonia* is a Gondwana flora.
9. The youngest succession in the Jurassic of Kutch is known as
10. The name Gondwana was introduced by

(10 × 1 = 10 Marks)

Part B (Short answer type questions)

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

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|-------------------------|--------------------------|
| 11. Panjal traps. | 17. Blaini boulder beds. |
| 12. Malani Volcanics. | 18. Karewa Formation. |
| 13. Warkalli formation. | 19. Haimanta Group. |
| 14. Kurnool group. | 20. Fenestella Shale. |
| 15. Barakar formation. | 21. Muth quartzite. |
| 16. Singhbhum granite. | 22. Ninety East Ridge. |

(10 × 2 = 20 Marks)

Part C (Paragraph type questions)

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

23. Write a note on Gondwana flora and its significance.
24. Describe the Cretaceous succession in Trichnopoly.

25. Describe the Tertiary succession of Kerala.
26. Write a note on the Jurassic succession of Kutch.
27. Why is the age of the Saline series of the Salt Range controversial?
28. Write a note on the Pleistocene glaciation in India.
29. Describe the components of the Southern Granulite Terrain.
30. Write a note on the Permo-Carboniferous stratigraphy of Kashmir.

(5 × 6 = 30 Marks)

Part D (Essay type questions)

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

31. Discuss the age, lithology and structure of the Deccan Traps.
32. Describe the Cenozoic oil-bearing formations of Assam.
33. Write an essay on the rise of the Himalayas and the development of the Indo-Gangetic alluvium.
34. Describe the succession of the Cuddapah Super Group.

(2 × 10 = 20 Marks)
