

19U520S

(Pages: 2)

Name:

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(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. Which is the highest mountain peak in Western Ghats
2. The smallest rock stratigraphic unit.
3. What is the boundary age of the Quaternary-Tertiary Period?
4. The law of cross cutting relationship was proposed by
5. An unconformity that separates igneous or metamorphic rocks from overlying sedimentary rocks.
6. The time-rock unit 'system' corresponds with _____ of the time units
7. The area of a topozone where a particular fossil taxon reaches a higher level of abundance
8. The Era of Geological time scale that represents the longest time period
9. Which type of dating is the principal source of information about the absolute age of rocks?
10. The source point of the river Ganges

(10 × 1 = 10 Marks)

PART- B

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

11. Indian geological time scale.
12. Homotaxis.
13. Facies.
14. Diastem.
15. Hiatus.
16. Relative dating.
17. Biozones.
18. Range Zones.

19. Law of order of superposition
20. Principle of Inclusion.
21. Acme zone.
22. Greater Himalayas.

(10 × 2 = 20 Marks)

PART- C

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

23. Geological Time Scale
24. Absolute dating.
25. Physical criteria's for correlation.
26. Chronostratigraphic classification.
27. Index fossil.
28. Biological criteria's for correlation.
29. Uniformitarianism.
30. Law of faunal succession.

(5 × 6 = 30 Marks)

PART- D

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

31. Write an essay on Stratigraphic divisions of India?
32. Write a brief essay on Lithostratigraphic classification?
33. Write an essay on unconformities?
34. Write an essay on Peninsular India highlighting on the major mountains and rivers?

(2 × 10 = 20 Marks)
