

**18P157**

(Pages: 2)

Name: .....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2018**

(Regular/Supplementary/Improvement)

(CUCSS-PG)

**CC15P GEL1 C03 – STRATIGRAPHY AND APPLIED PALAEOLOGY**

(Applied Geology)

(2015 Admission onwards)

Time: Three Hours

Maximum: 36 Weightage

Illustrate your answer with neat diagrams wherever necessary.

**Part A**

Answer *all* questions in two or three sentences. Each question carries 1 weightage.

1. Uniformitarianism.
2. Muth quartzite.
3. Warkalai formation.
4. Greenstone belts.
5. Eparchean unconformity.
6. K-T boundary.
7. Cyclostratigraphy.
8. Petrification.
9. Glabella.
10. Rhabdosome.
11. Ceratite type suture line.
12. Ornithischia.
13. Trace fossils.
14. Zooecium.

**(14 x 1 = 14 Weightage)**

**Part B**

Answer any *seven* questions not exceeding two pages. Each question carries 2 weightage.

15. Criteria of correlation.
16. Cuddapah basin.
17. Mass extinction.
18. Magnetostratigraphy.
19. Evolutionary history of Equus.
20. Differentiate between lamellibranchia and brachiopoda.

21. Morphology of Conodonts.
22. Application of microfossils in petroleum exploration.
23. Causes of extinction of Dinosaurs.
24. Chemical evolution of life.

**(7 x 2 = 14 Weightage)**

**Part C**

Write essays on any *two* questions. Each question carries 4 weightage.

25. Discuss the stratigraphic boundary problems with special reference to Indian subcontinent

OR

26. Describe Dharwar super group. Add a note on their equivalence in Kerala.

27. Discuss the morphology, classification, evolutionary trends and palaeo-ecology of the Brachiopods.

OR

28. Describe the morphology, paleoecology, classification and stratigraphic importance of foraminifera.

**(2 x 4 = 8 Weightage)**

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