

**16P148**

(Pages:2)

Name: .....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2016**

(Regular/Supplementary/Improvement)

(CUCSS-PG)

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

(Applied Geology)

(2015 Admission Onwards)

Time: Three Hours

Maximum: 36 Weightage

Draw neat diagrams wherever necessary

I. Answer *all* questions in *two or three* sentences each.

1. Magnetostratigraphy.
2. Meteorite impact theory.
3. Wayanad group.
4. Granulites of South India.
5. Sedimentary basin.
6. Unconformity.
7. Ediacaran fauna.
8. Carbonization.
9. Conodonts.
10. Stromatolites.
11. Taxodont.
12. Moeritherium.
13. Ecology of ostracods.
14. Bryozoans.

*(14 x 1 = 14 Weightage)*

II. Answer *any seven* questions, each not exceeding *two pages*.

15. Contributions of Steno, Hutton, Lyell and Smith to stratigraphy.
16. Classification and lithology of Dharwar supergroup.
17. Stratigraphic boundary problems related to Deccan traps.
18. Saline series.
19. Evolutionary history of man.
20. Suture patterns of ammonoidea.

21. Morphology and classification of spores and pollens.
22. Classification, morphology and significance of foraminifera.
23. Equus evolution.
24. Theories on the origin of life.

*(7 x 2 = 14 Weightage)*

III. Write essays on **any one** of the following.

25. Explain the elements of cyclostratigraphy and sequence stratigraphy.

OR

26. Describe the classification, lithology and age of the Cuddapah supergroup.

*(1 x 4 = 4 Weightage)*

27. Discuss the morphology, classification and evolutionary trends of the Trilobites.

OR

28. What are microfossils? Give an account of the techniques in collection, separation, preparation and preservation of microfossils.

*(1 x 4 = 4 Weightage)*

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