

17P153

(Pages:2)

Name:

Reg. No.

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2017

(Regular/Supplementary/Improvement)

(CUCSS-PG)

CC15P GEL1 C03 STRATIGRAPHY & APPLIED PALAEOLOGY

(Applied Geology)

(2015 Admission onwards)

(Time: Three Hours)

Maximum: 36 Weightage

Draw neat diagrams wherever necessary

PART A

(Short Answer type)

Answer *all* questions. Each question carries 1 weightage.

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. Lamarckism.
10. Theropods.
11. Taxodont.
12. Foraminifera.
13. Ecology of ostracods.
14. Bryozoans.

(14 x 1 = 14 Weightage)

PART B

(Short essays)

Answer any *seven* questions. Each question carries 2 weightage.

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)

PART C

(Long essays)

Answer *two* questions. Each question carries 4 weightage.

25. Explain the elements of cyclostratigraphy and sequence stratigraphy.

OR

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

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.

(2 x 4 = 8 weightage)

(14 x 1 = 14 Weightage)

PART B

(Short essays)

Answer any seven questions. Each question carries 2 weightage.

15. Contributions of Steeno, Hutton, Lyell and Smith to stratigraphy.
16. Classification and lithology of Dharwar Supergroup.
17. Stratigraphic boundary problems related to Deccan Traps.
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19. Evolutionary history of Man.