

15P148

Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXTERNAL EXAMINATION, FEB. 2016

(2015 Admission)

CC15PGEL1C03: Stratigraphy & Applied Palaeontology

(Geology)

Time: 3 Hours

Maximum: 36 Weightage

Draw neat diagrams wherever necessary

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

1. Cyclostratigraphy.
2. Meteorite Impact Theory
3. Greenstone belts.
4. Papaghni Group.
5. Biostratigraphy.
6. Craton.
7. Intertrappeans and Infratrappeans.
8. Eohippus.
9. Stromatolites.
10. Goniatic suture pattern.
11. Ostracods.
12. Ecology of foraminifers.
13. Palynofossils.
14. Conodonts.

(14 x 1 = 14 Weightage)

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

15. Theories of Mass extinction.
16. Granulites of South India.
17. Classification of Vindhyan Supergroup.
18. Saline series.
19. Laws of stratigraphy.

20. Modes of preservation of fossils.
21. Evolutionary trends in graptolites.
22. Morphology of Trilobites.
23. Techniques in collection and preservation of microfossils.
24. Application of microfossils in petroleum exploration.

(7 x 2 = 14 Weightage)

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

25. Give an account of the contributions of Steno, Lehmann, Fushel, Werner, Hutton, Lyell and Smith to the science of stratigraphy.

OR

26. Discuss stratigraphic boundary problems with special reference to the Deccan traps of Indian subcontinent.

(1 x 4 = 4 Weightage)

27. Describe the evolutionary history of man.

OR

28. Give an account of the classification, morphology, ecology, palaeoecology and stratigraphic importance of Foraminifera.

(1 x 4 = 4 Weightage)
