

**20P254**

(Pages: 1)

Name.....

Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021**

(CUCSS - PG)

(Regular/Supplementary/Improvement)

**CC19P GEL2 C08 - APPLIED PALEONTOLOGY AND SEDIMENTOLOGY**

(Applied Geology)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Short answer type questions. Answer any *four* questions.

1. Allometry.
2. Phylogeny.
3. Coccolithophores.
4. Argillaceous Sedimentary Rocks.
5. Heavy Minerals.
6. Types of bedding.
7. Walther's law of facies.

**(4 × 2 = 8 Weightage)**

II. Short essay questions. Answer any *four* questions.

8. Conodonts.
9. Brief description about Basin analysis.
10. Conditions of fossilization.
11. General characteristics of Ostracoda.
12. Geological significance of spores and pollens.
13. Marine vs. terrestrial depositional environments.
14. Link between plate tectonics and sedimentation.

**(4 × 3 = 12 Weightage)**

III. Long essay. Answer any *two* questions.

15. Discuss sample collection, processing of microfossils and add a note on the importance of foraminifera.
16. General characteristics and evolution of Equus.
17. Sedimentary textures and their significance.
18. Different processes of diagenesis.

**(2 × 5 = 10 Weightage)**

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