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Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester Integrated M.Sc Geology Degree Examination, November 2020

IGL1CO1 - THE EARTH AND ENVIRONMENT

(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**

Answer *all* questions.

Each question carries **Two** mark.

**Ceiling -25 Marks**

1. Asteroids
2. Conard, Reppetti, Guttenberg Weichert and Mohrovic discontinuities.
3. Lower continental crust and Upper continental crust
4. Moh's Hardness scale?
5. Oldest stratigraphic period
6. Era
7. Anticlines and Synclines
8. Denudation
9. Epicentre
10. Mofettes, Saffoni and Salfataras
11. Isoleismal line
12. Asthenosphere
13. Hypabyssal igneous rocks
14. Laccoliths
15. Different types of Morains.

**PART – B**

Answer *all* questions.

Each question carries **Five** marks.

**Ceiling -35 Marks**

16. Nebular hypothesis and Planetesimal hypothesis.
17. Write a note on planets  
a) Jupiter b) Saturn c) Uranus d) Neptune.
18. Classification of Igneous Rocks based on chemical composition
19. Airy theory & Pratt theory
20. Concept of Rock cycle
21. Rossi-Forrel's scale
22. Plate Boundaries
23. Write a note on luster, hardness and habit of a mineral.

**PART - C**

Answer any *two* questions.

Each question carries **Ten** marks.

24. Write an essay on Geologic Time Scale
25. What are Volcanoes? How are they produced? Explain the classification, components and effects of volcanoes.
26. What are the different methods to determine the age of the Earth?
27. Explain in detail about continental drift theory and give evidences that support this theory. List out the chief events of the breakup of super continent.

**2 x 10 = 20 Marks**