

22U529

(Pages: 2)

Name:

Reg.No:

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U GEO5 B11 - IGNEOUS PETROLOGY

(Geology - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Magma.
2. Lopolith.
3. Lapilli.
4. Meso Perthite.
5. Mode.
6. T - X Diagram.
7. Solid Solution.
8. Thermogravitational Diffusion.
9. A-type granite.
10. Monzonite.
11. Vogesites.
12. Wherlite.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Igneous Rock structures.
14. Classification based on silica content.
15. IUGS classification of ultramafic rocks.
16. Melting of Forsterite - Silica system.
17. Granodiorite.

18. Classification of dioritic rocks.

19. Dunite.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Explain the crystallisation of Unicomponent magma.

21. Explain the petrography and classification of gabbro clan of rocks.

(1 × 10 = 10 Marks)
