

20U525

(Pages: 2)

Name:

Reg.No:

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(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. Ring dykes.
2. Agglomerate.
3. Block Lava.
4. Aphanitic.
5. CIPW classification.
6. Metastable Region.
7. Zoning in Plagioclase.
8. Magmatic Differentiation.
9. Mineralogy of monzonite.
10. Diorite.
11. Pegmatite.
12. Anorthosite.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Primary and Parental Magmas.
14. Classification based on texture.
15. Crystallization of the Eutectic System Diopside - Anorthite.
16. Melting of Forsterite - Silica system.

17. Texture and mineralogy of granites.
18. Classification of granodioritic rocks.
19. Texture and mineralogy of gabbro.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Give an account of IUGS classification.
21. Explain the crystallisation of Albite-Anorthite-Diopside Ternary system.

(1 × 10 = 10 Marks)
