

23I501

(Pages: 2)

Name:

Reg.No:

FIFTH SEMESTER M.Sc. INTEGRAED GEOLOGY DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS)

(Regular/Supplementary/Improvement)

CC20GLO5IB05 / CC23GLO5IB05 - IGNEOUS PETROLOGY

(Geology)

(2020 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. Volcanic neck.
3. Mural Joints.
4. Femic mineral.
5. Phase.
6. Solid solution.
7. Gravity settling.
8. Common texture shown by granodiorite.
9. Basalt.
10. Spessartites.
11. Dunite.
12. Peridotite.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Pyroclastic deposits.
14. Igneous Rock Textures.
15. Classification based on alkali to plagioclase feldspars.
16. IUGS classification of mafic rocks.

17. Formation Anti-Perthite Texture.
18. Syenite.
19. Diorite.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Explain the crystallisation of binary system with eutectic relation.
21. Give an account of granitic rocks with reference to its origin and classification.

(1 × 10 = 10 Marks)
