

**23I501**

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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)**

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