

19U523

(Pages: 2)

Name:

Reg.No:

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS - UG)

CC19U GEO5 B11 - IGNEOUS PETROLOGY

(Geology - Core Course)

(2019 Admission - Regular)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. Concordant forms.
2. Lava flows.
3. Pillow Structure.
4. Idiomorphic Texture.
5. Defects of CIPW classification.
6. Eutectic Point.
7. Solid Solution.
8. Gravitational differentiation.
9. I-type granite.
10. Mineralogy of monzonite.
11. Gabbro.
12. Vogesites.

(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 silica content.
15. Crystallization of Unicomponent Magma.
16. Melting of Forsterite - Silica system.
17. Texture and mineralogy of granodiorite.
18. Dunite.
19. Classification of Peridotite.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Write an Essay on the IUGS Classification of Igneous Rocks.
21. Explain the crystallisation of Albite-Anorthite-Diopside Ternary system.

(1 × 10 = 10 Marks)
