

22U530

(Pages: 2)

Name:

Reg.No:

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U GEO5 B12 - METAMORPHIC 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. Confining pressure.
2. Ocean floor metamorphism.
3. Crystalloblastic series.
4. Isograd.
5. Kyanite zone.
6. Amphibolite facies.
7. Buchan facies series.
8. Metasomatism.
9. UHT metamorphism.
10. Leocosome.
11. Phyllite.
12. Schist.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Metamorphism in plate interiors.
14. Explain important non foliated metamorphic rocks.
15. Give an account of major chemographic diagrams used in metamorphic petrology.
16. Paired metamorphic belts.
17. Explain why prograde metamorphism is more common than retrograde metamorphism.

18. Explain the effects of metamorphism on pure and impure limestone.

19. Explain the effects of metamorphism on ultramafic rocks.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Give an account of various metamorphic structures and its significance.

21. Explain the effects of metamorphism on pelitic rocks.

(1 × 10 = 10 Marks)
