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Total No. of Questions: 10] [Total No. of Printed Pages: 3

BPF-2212

M.Sc. (Final) Examination, 2022 GEOLOGY

Paper - V

(Igneous and Metamorphic Petrology)

Time: 3 Hours [Maximum Marks: 75

Section-A (Marks: $2 \times 10 = 20$)

Note: Answer all ten questions (Answer limit 50 words). Each question carries2 marks.

Section–B (Marks: $5 \times 5 = 25$)

Note: Answer all five questions. Each question has internal choice (Answer limit200 words). Each question carries 5 marks.

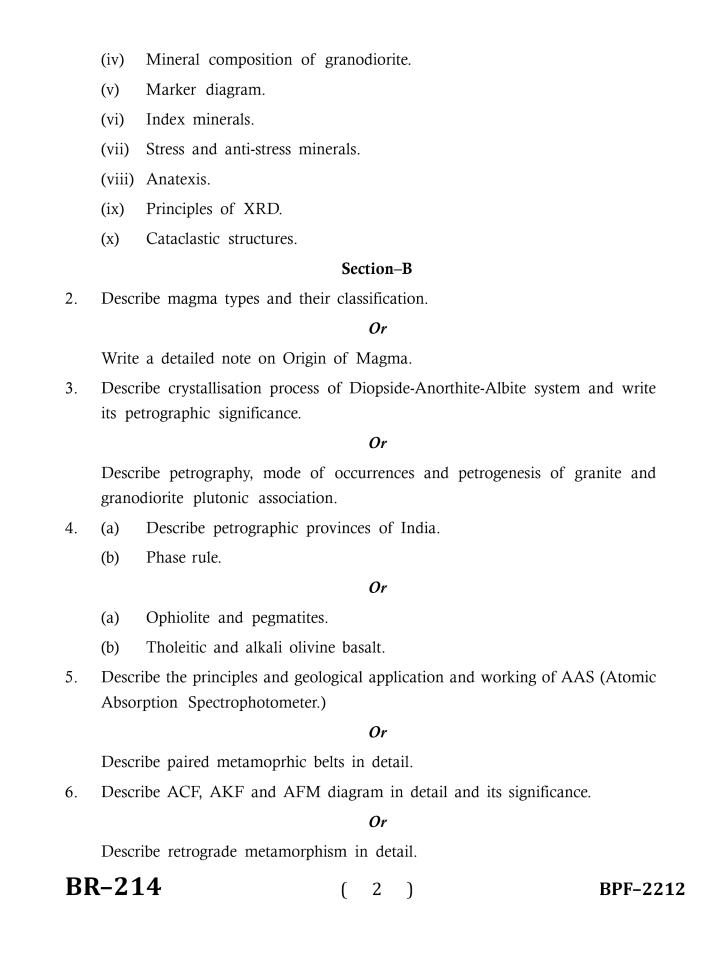
Section–C (Marks : $10 \times 3 = 30$)

Note: Answer any *three* questions out of four (Answer limit **500** words). Each question carries **10** marks.

Section-A

- 1. (i) What is Ropy Lava?
 - (ii) What is gravity settling?
 - (iii) I-type and S-type gravities.

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Section-C

- 7. Describe petrography, geological occurrences, facies and petrogenesis of granulites of India.
- 8. Describe ocean floor metamorphism and its significance in detail.
- 9. Explain the metamorphism of calcareous rocks.
- 10. What is metamorphic facies? Explain and give the mineral assemblages of metamorphic facies.

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