

FACULTY OF SCIENCE

B.Sc III- Semester (Practical) Examination
Subject: Geology

Paper: III

Question Bank

Time: 2 Hours

Max. Marks: 25

- I. Identify the rocks (Nos. 1-6) from the list mentioned below. Give their textures and mineral assemblages and add a note on their genesis. (6 x 2 = 12)

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|-----------------|----------------------|
| 1. Granite | 2. Granodiorite |
| 3. Syenite | 4. Nepheline syenite |
| 5. Diorite | 6. Pegmatite |
| 7. Gabbro | 8. Anorthosite |
| 9. Pyroxenite | 10. Dunite |
| 11. Dolerite | 12. Rhyolite |
| 13. Trachyte | 14. Basalt |
| 15. Gneiss | 16. Schist |
| 17. Slate | 18. Phyllite |
| 19. Quartzite | 20. Marble |
| 21. Charnockite | 22. Khondalite |

- II. Identify the rocks (No. 7-10) under microscope and give their textures, mineral assemblages and petrographic characteristics. (4 x 2 = 8)

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|-----------------------|----------------|
| 23. Granite | 24. Syenite |
| 25. Nepheline syenite | 26. Diorite |
| 27. Gabbro | 28. Dolerite |
| 29. Rhyolite | 30. Trachyte |
| 31. Basalt | 32. Pegmatite |
| 33. Pyroxenite | 34. Diorite |
| 35. Schist | 36. Gneiss |
| 37. Quartzite | 38. Marble |
| 39. Charnockite | 40. Khondalite |
| 41. Amphibolite | 42. Slate |
| 43. Phyllite | |

III. Record

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M. S. Sood