

**Second Year Examination of the
Three Year Degree Course, 2001**

Paper-II

(Faculty of Science)

GEOLOGY

Second Paper

(Petrology)

Time : 3 Hours
[Maximum Marks :50]

Attempt any **five** questions,
selecting at least **one** question from each unit,
All questions carry equal marks.

UNIT - I

- | | |
|---|----|
| 1. Describe various forms of Igneous Rocks. | 10 |
| 2. Give tabular classification of igneous rock. | 10 |

UNIT-II

- | | |
|--|-------|
| 3. What is assimilation? Discuss assimilation of various rocks types by magma. | 2+8 |
| 4. Write petrographic notes on the following : | 2.5*4 |
| (a) Granodiorite | |
| (b) Syenite | |
| (c) Diorite | |
| (d) Peridotite. | |

UNIT-III

- | | |
|--|-----|
| 5. What is Metamorphism? Describe various types metamorphism. | 2+8 |
| 6. Discuss thermal metamorphism of impure dolomitic limestoen. | 10 |

UNIT-IV

7. Write petrographic notes on the following: 2.5*4
(a) Schist
(b) Granulite
(c) Chrnockite
(d) Migmatite
8. What is diagenesis? Discuss various processes of diagenesis. 4+6

UNIT-V

9. Describe various bedding plane structures. 10
10. Write short notes on the following : 10
(a) Conglomerate
(b) Breccia
(c) Sandstone
(d) Lime stone.