

**Third Semester B. Sc. (Part - II)  
Examination**

**GEOLOGY**

**Paper - II**

**(Sedimentary and Metamorphic Petrology)**

Time : Three Hours ]

[ Max. Marks : 50

- N. B. : (1) All questions are compulsory and carry equal marks.  
(2) Draw neat sketches wherever necessary.

1. (A) Describe various processes involved in the formation of sedimentary rocks.

**OR**

- (B) Describe major primary structural features of sedimentary rocks.

2. (A) Give an account of chemical sedimentary deposits.

**OR**

- (B) Describe organic sedimentary deposits.

3. (A) Describe various structures of metamorphic rocks.

**OR**

- (B) Describe in brief various types of metamorphism.

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Contd.



4.

47  
(A) Give an account of facies of metamorphism.

OR

Give an account of the following :—

(B) Grades of metamorphism.

(C) Migmatization.

5. Write on the following in not more than two sentences  
(Solve any ten) :—

- (i) Aeolian ripple marks.
- (ii) Rain prints.
- (iii) Mud cracks.
- (iv) Arkose.
- (v) Lignite.
- (vi) Secretions.
- (vii) Chemically active fluids.
- (viii) Gondite.
- (ix) Porphyroblastic texture.
- (x) Lit-Par-Lit Injections.
- (xi) Index minerals.
- (xii) Epizone.