

NTK/KW/15 – 5834

**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. Give an account of the following :

- (a) Diagenesis and Lithification.
- (b) Minor structural features of sedimentary rocks.

OR

Give an account of the following :—

- (c) Current bedding.
- (d) Stratification.

2. Describe the following:

- (a) Argillaceous rocks.
- (b) Conglomerates and Breccias.

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Contd.

OR

Describe the following :

- (c) Coal.
- (d) Sandstones.

3. Write brief notes on the following :

- (a) Agents of metamorphism.
- (b) Schist and Gneiss.

OR

Write short notes on the following :

- (c) Cataclastic metamorphism.
- (d) Textures of metamorphic rocks.

4. Describe the following :

- (a) Facies of Metamorphism.
- (b) Grades of metamorphism.

OR

Describe the following :

- (c) Depth zones of metamorphism
- (d) Metasomatism.

5. Write on the following in not more than two sentences:

- (i) Name any two natural agencies.

- (ii) Graded bedding.
- (iii) Lamination.
- (iv) Bog iron ore.
- (v) Stalactites.
- (vi) Concretions.
- (vii) Marble.
- (viii) Pyrometamorphism.
- (ix) Quartzite.
- (x) Lit-Par-Lit injections.
- (xi) Retrograde metamorphism.
- (xii) Granitisation.