

NRT/KS/19/2086

Bachelor of Science (B.Sc.) Semester—III Examination
GEOLOGY (SEDIMENTARY AND METAMORPHIC PETROLOGY)
Optional Paper—II

Time : Three Hours]

[Maximum Marks : 50

Note :— (1) All questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. (A) Give an account of processes of lithification and diagenesis.

OR

(B) Describe in brief stratification and current bedding.

2. (A) Give an account of rudaceous rocks and argillaceous rocks.

OR

(B) Describe in brief residual sedimentary deposits.

3. (A) Describe in brief any four types of metamorphism.

OR

(B) Give an account of foliated metamorphic rocks.

4. (A) Discuss the concept of facies in metamorphism with suitable examples.

OR

(B) Give an account of Depth Zones of metamorphism.

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

(A) Graded bedding

(B) Ripple Marks

(C) Clastic texture

(D) Graywacke

(E) Guano

(F) Banding in Coal

(G) Uniform Pressure

(H) Name any two chemically active reagents.

(I) Schistose structure

(J) Isograd

(K) Metasomatism

(L) Migmatite.