

M.Sc. (Part—I) Semester—II (CBCS Scheme)
Examination
GEOLOGY
Paper—VII
(Sedimentology)

Time—Three Hours]

[Maximum Marks—80

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

(2) Draw neat Sketches wherever necessary.

1. Write in brief on the following :—

(a) Kurtosis and Skewness.

(b) Histogram and cumulative curves.

OR

(c) Mean, Mode and Median.

(d) Grain size measurement and phi-value.

2. Write in detail about origin and significance of trace fossils. Add a note on their behavioral classification.

OR

Write in detail about Folk's classification of Limestone.

3. Write in detail about glacial environment of deposition. Add a note on its characteristic deposits.

OR

Write in detail about shallow marine environment of deposition. Add a note on its characteristic deposits.

4. Write in brief on the following :—
- (a) Palaeocurrent analysis and its significance.
 - (b) X-ray identification of clay minerals.

OR

- (c) Preparation of lithologs.
 - (d) Significance of stromatolites.
5. Write in brief on the following :—
- (a) Pull apart basin.
 - (b) Foreland basin.

OR

- (c) Rift basin.
- (d) Down warp basin.