

M.Sc. (Part-I) Semester-II (CBCS Scheme) Examination

GEOLOGY

(Sedimentology)

Paper-VII

Time : Three Hours]

[Maximum Marks : 80

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

(2) Draw neat sketches wherever necessary.

1. Write in brief on the following :

- (a) Standard Deviation and Mean.
- (b) Histogram and Cumulative curves.

OR

- (c) Sieving technique.
- (d) Skewness and Kurtosis.

2. Write in detail about classification and significance of trace fossils.

OR

Write in detail about triangular classification of sandstone.

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

OR

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

4. Write in brief on the following :

- (a) X-ray diffraction analysis for mineral identification.
- (b) Preparation of lithologs.

OR

- (c) Heavy mineral analysis and its significance.
- (d) Cathodoluminescence.

5. Write in brief on the following :

- (a) Interior basin.
- (b) Foreland basin.

OR

- (c) Subduction basin.
- (d) Rift basin.

