

(5508)

2010-2011
M.Sc. (III SEMESTER) EXAMINATION
(APPLIED GEOLOGY)
SEDIMENTOLOGY – I
(GLM – 9006)

Maximum Marks: 35

Duration: Two Hours

Note: Answer all questions.

1. Write notes on the following: (09)
 - (a) Idealized sequence of structures in lower and upper flow regimes.
 - (b) Velocity profiles and bed roughness.
 - (c) Boumas ideal sequence.
 2. Describe geometry and significance of sedimentary bodies. (09)
 3. Discuss the shallow coastal elastic environment of deposition and facies model for it. (09)
- OR
- 3'. Discuss Lacustrine environment of deposition and its facies model.
 4. Describe mineralogy, occurrence and mechanism of formation of dolomite. (08)
- OR
- 4' Write explanatory notes on the following:
 - (a) Petrography and genesis of carbonate rocks.
 - (b) Stromatolitic and evaporitic facies of limestone.
