

(5507)

2010-2011
M.Sc. (III SEMESTER) EXAMINATION
(APPLIED GEOLOGY)
GEO-CHEMISTRY - I
(GLM – 9003)

Maximum Marks: 35

Duration: Two Hours

Note: Answer all questions.

1. What is Nucleosynthesis? Give an account of different types of Nucleosynthesis (08)

OR

- 1'. Write explanatory notes on the following:-

- (a) Classification of trace elements
- (b) Platinum Group Elements (PGE)

2. Briefly discuss the behaviour of trace elements during the crystallization of basaltic magmas. (09)

OR

- 2'. Write short notes on the following:

- (a) Partition Coefficient
- (b) Significance of Rare Earth Elements (REE) in sedimentary rocks.

3. Briefly describe U-Pb dating method of minerals & rocks. Discuss the limitations of this method. (09)

4. Give an account of the geochemistry of Rb and Sr. How are these elements useful in dating of metamorphic events. (09)
