

M.Sc. (Geology)(with Credits)-Regular-Semester 2012 Sem I (Old Course)  
**0171-Paper-IV - Stratigraphy and Indian Geology**

P. Pages : 2

Time : Three Hours



**GUG/S/18/3466**

Max. Marks : 80

- 
- Notes : 1. All questions are compulsory and carry equal marks.  
2. Draw neat sketches wherever necessary.

1. Give a detailed account of concept of Litho and Bio-stratigraphy.

**OR**

Write short notes on:

- a) Sequence Stratigraphy
- b) Chemo stratigraphy
- c) Dharwar Craton
- d) Aravalli Craton

2. Give a detailed account of Gondwana supergroup.

**OR**

Write short notes on:

- a) Palaeogeography of Lower Gondwana Supergroup.
- b) Cambrian of Spiti.
- c) The Lipak and po-series.
- d) Muth Quartzite.

3. Give a detailed account of classification, depositional characters and fauna of cretaceous of Trichinopoly.

**OR**

Write short notes on:

- a) Classification of Jurassic of Kachchh
- b) Cretaceous / Tertiary boundary.
- c) Stratigraphy of Deccan Trap.
- d) Classification of Triassic of Spiti.

4. Give a detailed account of classification depositional characteristics of Paleogene of Bengal Basin.

**OR**

Write short notes on :

- a) Quilon Beds.
- b) Palaeogene / Neogene boundary
- c) Quaternary systems of Purna Basin.
- d) Siwalik Fauna

5. Write short notes on:

- a) Event stratigraphy.
- b) Stratigraphic correlation.
- c) Concept of Gondwana supergroup.
- d) Fossil content of Ordovician of Spiti.
- e) Intertrappean beds.
- f) Fossils of Lamet Formation.
- g) Paleocene fauna and flora of Rajahmundry Intertrappean.
- h) Fulra Limestone Formation of Kachchh.

\*\*\*\*\*