

M.Sc.(Geology) First Semester (Old Course)
0171-Paper-IV: Stratigraphy & Indian Geology

P. Pages : 2

Time : Three Hours



GUG/W/18/2177

Max. Marks : 80

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

1. Describe various methods of stratigraphic correlation.

OR

Write short notes on:

- a) Methods of measurement of geological time.
- b) Concept of lithostratigraphy.
- c) Magnetostratigraphy.
- d) Stratigraphy of cuddapah Supergroup

2. Give classification of Gondwana supergroup and enlist its flora.

OR

Write short notes on:

- a) Permian/ Triassic boundary.
- b) Concept of Gondwanaland
- c) Paleozoic formations of India.
- d) Paleogeography during Paleozoic era.

3. Give classification of Jurassic of Kachchh and list fauna present in it.

OR

Write short notes on:

- a) Middle Triassic
- b) Trichinopoly Formation
- c) Stratigraphy of deccan Trap
- d) Cretaceous/ tertiary boundary

4. Give classification of Cenozoic succession of Assam and describe its economic importance.

OR

Write short notes on:

- a) Neogene of Bombay offshore basin
- b) Neogene of Andaman Island
- c) Paleogene Formations of cambay basin
- d) Epoch boundaries in India.

5. Write in brief on:

- a) Sequence stratigraphy
- b) Principle of Uniformitarianism.
- c) Paleoclimate during Gondwana.
- d) Igneous activities during Gondwana
- e) Triassic fauna
- f) Lameta formation
- g) Subdivisions of Paleogene
- h) Subdivisions of Neogene.
