



GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM.

VI – SEMESTER END EXAMINATION 2017-18

III B.Sc., GEOLOGY

Module VII: Palaeontology and India Geology (Advanced Module)

Time: 3 Hours

Max.Marks: 75

NOTE : (This paper divided into section I and II. Section I should be answered in the main answer book and section II in the space provided for in the question paper fastened to the Section I answer book).

Time: 2hours 30Min

SECTION- I

Answer any Five Questions choosing Two from part A and Two from Part B. All questions carry equal marks. 5X12=60

PART- A

1. Write an essay on Cephalopoda.
2. Describe with neat sketches, the Morphological features of Echinoids.
3. Define fossil? Explain the various preservation of fossil methods in detail.
4. Write short notes on
 - a) Zone Fossil
 - b) Ptyllophyllum
 - c) Calymene
 - d) Gryphea

PART- B

5. Describe the lithological and fauna of siwalik system
6. Describe about the physiographic division of India
7. Describe the lithology and Stratigraphy of Cretaceous rocks of Trichy
8. Write short notes on the following.
 - a) Order of super position
 - b) Saline series
 - c) Narji lime stone
 - d) Mineral wealth of Archaeans



SECTION- II

Time: 30 min

Marks:15

Note (Give answers to the questions given below in the question paper itself and fasten it the main answer book)

I. choose the correct Answer

15*1=15

1. Goniolite belong to the following []
a) Gastropoda (b) Trilobite (c) Cephalopoda (d) Brachiopoda
2. Suture lines are common in the following []
a) Ammonoida (b) Pecten (c) Physa (d) Echnoida
3. Belemnites belong to this order []
a) Ammonoida (b) Dibranchia (c) Nautiloidea (d) Echnoida
4. Rhabdosome is present in []
a) Gastropoda (b) Graptolites (c) Brachiopoda (d) Trilobita
5. The land of living fossil is []
a) Africa (b) Australia (c) Austria (d) America
6. The Cuddaph basin is []
a) Linear (b) Curved (c) curve –liner (d) Concave
7. The Kumool system is equivalent to []
a) Lower vindhyan (b) Archaeans (c) Upper vindhyan (d) None
8. The period between Triassic and Jurassic is called []
a) Umbo (b) Bunter (c) Lias (d) Keuper
9. Gangamopteris is a Characteristic flora of []
a) Siwalik (b) Vindhyan (c) Gondwan (d) Archaean
10. In the semri groups stromatolites are found in []
a) Suket shales (b) Fawn lime stone (c) Bleaching shale (d) Kajrahat lime stone

II. Fill in the Blanks :

11. Nappes are associated with _____
12. Cuddapah and Vindhyan are also called _____
13. The age of Deccan traps _____
14. Ptilophyllum belongs to _____ age.
15. Calymene belongs to phylum _____