

Roll No.....

Total No. of Sections : 03

Total No. of Printed Pages : 03

Code No. : 02/406(A)

Second Semester Examination, May-2018

M.Sc. GEOLOGY

Paper - IV

PALAEOBIOLOGY AND STRATIGRAPHY

Time : 3 Hrs.

Max.Marks : 80

Note : Section 'A' consists of 10 very short answer type questions, all of which are compulsory and should be attempted first. Section 'B' consists of four short answer type questions with internal options. Section 'C' consists of four long answer type questions with internal choice.

Section - 'A'

Answer the following very short-answer-type questions in one or two sentences : (2×10=20)

- Q.1 Define phylogeny.
- Q.2 What is dimaryian lamellibranch?
- Q.3 Differentiate between turbo and troches.
- Q.4 Define Rhabdosome.
- Q.5 What is Index fossil?
- Q.6 Define biostratigraphy.
- Q.7 Explain order of superposition.
- Q.8 Write age of the Deccan traps.
- Q.9 In which group, well preserved stromatolites are found?
- Q.10 Explain the most common rocks of Vindhyan supergroup.

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Section - 'B'

Answer the following short-answer-type questions with word limit 200-250 : (5 4=20)

Q.1 Discuss in brief about corona in Echinoids.

OR

Explain the different types of suture lines found in cephalopoda.

Q.2 Discuss the significance of Vertebrate Palaeontology.

OR

Write a brief note on head or cephalon of Trilobita.

Q.3 Write note on cyclostratigraphy.

OR

Throw light on seismic stratigraphy.

Q.4 Discuss the economic significance of Vindhya.

OR

Write a note on stratigraphy of Cuddapah basin.

Section - 'C'

Answer the following long-answer-type questions with word limit 400-450 : (10 4=40)

Q.1 Write an essay on "Origin of Metazoan".

OR

Explain the morphology and forms of Gastropoda Shell.

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Q.2 Describe the morphology and evolutionary history of Trilobites.

OR

Discuss the significance of plant fossils.

Q.3 Write a detailed note on lithostratigraphy and chronostratigraphy.

OR

Write an essay on Geophysical and chemostratigraphic correlation.

Q.4 Write an essay on stratigraphy of Deccan traps.

OR

Write a note on geology and distribution of Chhattisgarh group of rocks.

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