

Roll No.....

Total No. of Printed Pages : 4

**Code No. : B02/406**

Second Semester Online Examination, May-June, 2022

**M. Sc. GEOLOGY**

**Paper IV**

**PALAEONTOLOGY AND STRADIGRAPHY**

Time : Three Hours ]

[Maximum Marks : 80

**Note :** Part A and B of each question in each unit consist of 'very short answer type question' which are to be answered in one or two sentences. Part C 'Short answer type' and D 'Long answer type' of each question should be answered within the word limit mentioned.

**UNIT-I**

1. (A) What do you mean by phylogeny. 2
- (B) Write in brief about precambrian life. 2
- (C) Write a note on origin of life.

(word limit 200-250) 4

**OR**

Write an essay on theoretical and functional morphology and evolutionary trends in 'Echinoderms'.

**P.T.O.**

**Code No. : B02/406**

- (D) Describe the 'Cephalopoda' on the basis of growths allometry theoretical and functional morphology.

(word limit 400-450) 12

**OR**

Describe the functional morphology and evolutionary trends in Lamellibranchia.

**UNIT-II**

2. (A) What do you mean by suture lines. 2
- (B) Why Trilobites are considered as index fossil. 2
- (C) Describe the evolutionary trends of cephalon of 'Trilobites. (word limit 200-250) 4

**OR**

Write a note on functional morphology of 'Graptolites'.

- (D) Write an essay on significance of Micropalaeontology.

(word limit 400-450) 12

**OR**

Describe evolutionary history of 'Man'.

**[ 2 ]**

UNIT-III

3. (A) Define the term Lithostratigraphy. 2  
(B) Define the term magnetospredigraphy. 2  
(C) What do you mean by pedospratigraphy ?  
(word limit 200-250) 4

OR

What do you mean by cyclostratigraphy.

- (D) Write an essay on Biostratigraphy.  
(word limit 400-450) 12

OR

Write a note on Event stratigraphy and sequence stratigraphy records.

UNIT-IV

4. (A) What do you mean by incompleteness of stratigraphic. 2  
(B) Write down the stages of semri series of Vindhyan formation. 2  
(C) Write a note on palaeoclimate of Indian subcontinent. (word limit 200-250) 4

OR

Write a note on palaeogeography of Indian subcontinent.

- (D) Write an essay on cuddapah formation.

(word limit 400-450) 12

OR

Write an essay on Vindhyan formation.

□ □ □ □ □ d □ □ □ □ □