

D91004

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Name.....

32

Reg. No.....

**FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2015**

(UG—CCSS)

Core Course

Geology

GL5 B10—PALAEONTOLOGY

(2013 Admissions)

Time : Three Hours

Maximum : 30 Weightage

*Draw neat sketches wherever necessary.*

I. Objective type questions. Answer all *twelve* questions :

Choose the correct answer :

1 The type of fossilization in which the original form and structure are preserved :

- (a) Carbonization.                      (b) Petrification.  
(c) Silicification.                      (d) Pyritization.

2 The thread-like prolongations of graptolites are called :

- (a) Nema.                                      (b) Stipes.  
(c) Virgula.                                      (d) Theca.

3 The embryonic shell of gastropods is called :

- (a) Protoconch                                      (b) Prodissoconch.  
(c) Gasteroconch.                                      (d) Didisoconch.

4 The type of suture pattern characteristic of Palaeozoic ammonoids :

- (a) Ceratitic.                                      (b) Ammonitic.  
(c) Nautilitic.                                      (d) Goniatic.

Fill in the blanks :

5 \_\_\_\_\_ is the geologic period which is dubbed as the age of fishes.

6 The corals belong to the Class \_\_\_\_\_.

**Turn over**

7 Lamellibranchs with two muscle scars are called \_\_\_\_\_.

8 Birds have often been called \_\_\_\_\_ reptiles.

Name the following :—

9 The name given to the fossil fecal pellets of ancient mammals.

10 The type of symmetry exhibited by all brachiopods.

11 The type of dentition in bivalves characterized by having reverse 'V' shaped prominent bifurcating or diverging teeth.

12 The predominant plant flora characteristic of Upper Gondwanas.

(12 × ¼ = 3 weight)

II. Short answer type questions. Answer all *nine* questions :

13 Moulds and casts.

14 Micropalaeontology.

15 Rugose corals.

16 Rhabdosome.

17 Pallial sinus.

18 Columella.

19 Irregularia.

20 Edentulous.

21 Eohippus.

(9 × 1 = 9 weight)

III. Short essay type questions. Answer any *five* questions :

22 Uses of fossils.

23 Geological history and importance of foraminifers.

24 General morphology of class Anthozoa.

25 Types of coiling in gastropods.

26 Geological distribution and stratigraphic importance of Graptolites.

27 General morphology of Echinoids.

28 Mesozoic reptiles.

(5 × 2 = 10 weightage)

V. Essay type questions. Answer any *two* questions :

29 Describe the general morphology and the important suture patterns of Class Cephalapoda.

30 Give an account of the general morphology, classification and geological history of Phylum Brachiopoda.

31 Explain the general morphology, classification and geological history of Class Trilobita-Phylum Arthropoda.

(2 × 4 = 8 weightage)