

**2018**

**CBCS**

**3rd Semester**

**GEOLOGY**

**PAPER—C7T**

**(Honours)**

*Full Marks : 40*

*Time : 2 Hours*

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

*Answer all questions.*

***Paleontology***

***Group—A***

**1. Answer any five questions :**

**5×2**

**(a) What is petrification ?**

**(b) Define holotype and paratype.**

*(Turn Over)*

- (c) What do you mean by endemic species.
- (d) What is Holotype and Syntype ?
- (e) Name four life modes of bivalves.
- (f) What are the characteristic features of an index fossil ?
- (g) What is umbilicus ?
- (h) Write the name of one Swimmer and one burrower form of bivalve.

**Group—B**

2. Answer any *four* questions : 4×5

(a) (i) What is an index fossil ? What are the criteria for assigning a species as index fossil ? Give one example of an index fossil.

(ii) What do you mean by sweepstakes and filter bridge ? 3+2

(b) Write a note on different types of biozones with suitable sketch. 5

- (c) Is the fossil record complete ? Explain your answer with proper reasons. 5
- (d) Write a short note on different types of coiling pattern of Gastropoda. 5
- (e) Briefly describe about the dentition pattern of bivalve. 5
- (f) (i) What are the main difference between Saurischian and ornithischian dinosaurs.
- (ii) Write about the causes of extinctions of dinosaurs. 2+3

**Group—C**

3. Answer any one question : 1×10
- (a) Write a note on the evidences of Precambrian life.
- (b) Explain 'species' concept in palaeontology. 7+3
4. (a) Write a short note on suture pattern of cephalopod.
- (b) Write briefly about the trends of human evolution.

- (c) Write three distinguishing properties of *Glossopteris* and *Gangamopteris* fossil.

4+3+3

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