

B.Sc. 3rd Semester (Honours) Examination, 2020 (CBCS)

Subject: Geology

Paper: CC-7

(Palaeontology)

Time: 2 hours

Full Marks: 40

*The figures in the margin indicate full marks
Candidates are required to give their answers
in their own words as far as practicable*

1. Answer any eight of the following questions.

8x5=40

- (a) Explain the processes of Carbonization and Pyritization.
- (b) Give a labelled diagram for the internal features of Pedicle valve of Brachiopod shell.
- (c) Describe the variations in lophophore structures.
- (d) Draw and label the internal view of a Bivalve shell.
- (e) Describe the mode of living of Bivalves - *Pecten* and *Ostrea*.
- (f) Write short notes on any two major Mass Extinction event in Geological record.
- (g) Write a note on Geographic speciation.
- (h) Describe different types of suture found in Cephalopods.
- (i) Describe coiling pattern of gastropod shells.
- (j) Describe briefly the different types of barriers that inhibit dispersal of species.