

NRT/KS/19/2115

Bachelor of Science (B.Sc.) Semester—IV Examination

GEOLOGY (Palaeontology)

Optional Paper—I

Time : Three Hours]

[Maximum Marks : 50

N.B. :— (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. (a) Give an account of various applications of fossils.

OR

(b) Give a brief account of various modes of preservation of fossils.

2. (a) Describe in brief morphological characters of Brachiopoda and a note on its geological distribution.

OR

(b) Give an account of morphological features of Gastropoda and add a note on its geological history.

3. (a) Describe in brief morphological characters of Graptoloidea and add a note on its geological history.

OR

(b) Describe in brief morphological characters of Foraminifera and add a note on its geological history.

4. (a) Give an account of morphological characters of Trilobita and add a note on its geological history.

OR

(b) Describe in brief morphological characters of Echinoidea and add a note on its geological history.

5. Write on the following in not more than **two** sentences (solve any **ten**) :

- (a) Definition of fossil
- (b) Coprolites
- (c) Palaeontology
- (d) Phragmocone
- (e) Umbilicus
- (f) Ceratitic sutures
- (g) Medusa
- (h) Mesenteries
- (i) Corallite
- (j) Glossopteris
- (k) Lepidodendron
- (l) Vertebraria.