

NTK/KW/15 – 5863

**Fourth Semester B. Sc. (Part-II)
Examination**

GEOLOGY

Paper – I

(Palaeontology)

Time : Three Hours]

[Max. Marks : 50

N.B. : (1) All questions are compulsory and carry equal marks.
(2) Draw neat sketches wherever necessary.

1. Describe various processes of fossilization in detail.

OR

Discuss the applications of palaeontological data in different branches of geology.

2. Describe the morphological characters. Classifications and geological distribution of Brachiopoda.

OR

Describe the morphological characters, classification and geological history of Gastropoda.

3. Describe the following :—

- (A) Nummulites,
- (B) Monograptus.

NTK/KW/15–5863

Contd.

OR

Describe the following :—

- (C) Forms of foraminifera.
- (D) Geological history of Graptoloidea.

4. Describe the following :—

- (A) Cidaris.
- (B) Plants of Lower Gondwana Period.

OR

Explain the following :—

- (C) Regular and Irregular echinoids.
- (D) Cephalic Shield.

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

- (a) Definition of Palaeontology.
- (b) Zone fossil.
- (c) Micro fossils.
- (d) Ceratite suture.
- (e) Hinge plate.
- (f) Goniatitic suture.
- (g) Septa.
- (h) Polypary.
- (i) Uniserial rhabdosomes.
- (j) Genal angle.
- (k) Pygidium.
- (l) Axial furrow.