

**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.

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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.