

B.Sc. (With Credits)-Regular-Semester 2012 Sem. III  
**B.Sc.23102 - Geology : Paper-II (Palaeontology)**

P. Pages : 2

Time : Three Hours



**GUG/W/16/3341**

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Draw neat diagrams wherever necessary.

1. What are fossils? Give a brief account of applications of palaeontological data with reference to economic geology, palaeoecology, evolution and stratigraphy.

**OR**

Describe in detail the morphological features of Pelecypoda with their geological distribution.

2. Give a brief account of morphological characters of Graptoloidea and add a short note on their geological distribution.

**OR**

Give a brief account of morphological characters of Anthozoa with their geological distribution.

3. Describe the following :

- Carbonisation
- Geological distribution of gastropoda.
- Dimorphism in Foraminifera.
- Thorax.

**OR**

Describe the following.

- Spirifer
- Belemnites
- Cidaris
- Pygidium.

4. Write short notes on the following :

- Petrifaction
- Coiling in gastropoda

- c) Corona
- d) Geological distribution of Trilobites.

**OR**

Write short notes on the following :

- e) Terebratula
- f) Physa
- g) Periproct
- h) Cephalic shield.

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

- a) Micro – palaeontology.
- b) Imprints
- c) Amber
- d) Body whorl
- e) Suture line.
- f) Body chamber
- g) Peristome
- h) Vitreous forms of Foraminifera
- i) Unilocular
- j) Free Cheek
- k) Name any two plants of Gondwana period.
- l) Renal angle.

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