

Seat No. : \_\_\_\_\_

**DH-103**

**December-2013**

**B.Sc. Sem.-I**

**CC-3 : Environmental Science (Paper-101)**

**(Life at a Glance)**

**Time : 3 Hours]**

**[Max. Marks : 70**

- Instructions :** (1) Draw diagram wherever necessary.  
(2) **All** questions carry equal marks.

1. (a) Describe the Miller's Experiment. 7  
**OR**  
Describe the History of Earth.
- (b) Explain the Cell Differentiation. 7  
**OR**  
Describe the evolution of Eukaryotes.
2. Explain in detail : (any **two**) 14  
(1) Vascular and Ground  
(2) General characters of Plant.  
(3) Primary and Secondary Growth of plant  
(4) Outline of Plantae
3. (a) Explain the general characters of Animal. 7  
**OR**  
Explain the energy requirements of Animal.
- (b) Describe the outline of Animalia Kingdom. 7  
**OR**  
Describe classification of Animals.
4. (a) Explain the classification and economic importance of Algae. 7  
**OR**  
Explain the structure and chemistry of Viruses.
- (b) Describe the role of environmental microbes in pathogenesis. 7  
**OR**  
Describe the structure and general character of Fungi.

5. Answer **all** in brief :

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- (1) What is the Thermophile ?
  - (2) What is Prions ?
  - (3) Gives the two flowering plants name.
  - (4) Define the Prokaryotes.
  - (5) Write down the five kingdom name according to Whittaker's.
  - (6) What is the root ?
  - (7) Gives the examples of Vascular Plants.
  - (8) Write down the contribution of Alexander Fleming.
  - (9) Write down the two importances of Fungi.
  - (10) Define the Chloroplast.
  - (11) Distinguish between the Cilia and Flagella.
  - (12) Name two genera of Eukaryotes.
  - (13) Give functions of Mitochondria.
  - (14) Give two names of Algae.
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