



**HEI-003-1181003**

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

**M. Sc. (Zoology) (Sem. I) (CBCS) Examination**

November / December – 2017

**ZOOL - 103 : Biodiversity & Biosystematics**

**Faculty Code : 003**

**Subject Code : 1181003**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- 1** Answer the following very briefly : (any **seven**) **2x7=14**
- (a) Give a brief explanation of biological diversity.
  - (b) Define akryotes.
  - (c) Examples of Diatoms and Dinofalgellates.
  - (d) Convention on biological diversity.
  - (e) Write general features of phylum mollusca.
  - (f) Salient features of lichens.
  - (g) Write basic features of phylum vertebrata.
  - (h) Main features of mycorrhizea.
  - (i) Write main features of Eubacteria.
  - (j) Significance of over exploitation.
- 2** Answer of the following : (any **two**) **7+7 =14**
- (a) Explain the evolution and classification of phylum Porifera.
  - (b) Write a brief note on the systematics of worms.
  - (c) Explain the classification of Reptilia.
- 3** Answer the following : **7+7 =14**
- (a) Write a note on the systematics of Protista with examples.
  - (b) Briefly describe the classification of phylum Coelenterata.
- OR**
- 3** Answer the following : **7+7 =14**
- (a) Explain the classification of Zygomycetes.
  - (b) Classify algae with examples.

- 4 Answer the following : **7+7 =14**
- (a) Briefly describe the basic features and classification of phylum Annelida.
  - (b) Write a short note on the basic concepts and usefulness of eco-tourism.
- 5 Answer the following : (any **two**) **7+7 =14**
- (a) Explain the general features and classification of non-seed Tracheophytes.
  - (b) Explain the systematics of phylum Echinodermata.
  - (c) Write a note on the significance of invasive species.
  - (d) Write a note on the role of habitat loss to the biodiversity.
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