



JBF-003-1181003

Seat No. _____

**M. Sc. (Sem. I) (Zoology) (CBCS) (W.E.F. 2016)
Examination**

December - 2019

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) **2×7=14**
- (a) Convention on biological diversity
 - (b) What is archebacteria ?
 - (c) Examples of Diatoms and Dinofalgellates
 - (d) Define biodiversity with examples
 - (e) Write general features of Phylum mollusca
 - (f) Salient features of lichens
 - (g) Classification of phylum vertebrata
 - (h) Main features of mycorrhizea
 - (i) Write main features of Eubacteria
 - (j) Main characters of Viruse
- 2** Answer of the following : (Any Two) **7×7=14**
- (a) Classify Platyhelminthes with specific characters
 - (b) Briefly describe the classification of phylum Cnidaria
 - (c) Write a short note on the classification of phylum Coelenterata
- 3** Answer the following : **7×7=14**
- (a) Write a note on the evolution and classification of phylum Porifera
 - (b) Write a note on the systematics of Protista with examples

OR

- 3** Answer the following : **7×7=14**
- (a) Write the systematics of algae with examples
 - (b) Write the classification of fungi with examples
- 4** Answer the following : **7×7=14**
- (a) Briefly describe the basic features in different classes of phylum Echinodermates
 - (b) Briefly describe the ecotourism and its significance
- 5** Answer the following : (Any **Two**) **7×7=14**
- (a) Write a note on the role of habitat loss to the biodiversity
 - (b) Write a note on the significance of invasive species
 - (c) Write a note on the general features of Gymnosperm
 - (d) Write a note on the systematics of phylum Echinodermata.
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