

Five Year Integrated M.Sc. Examination, 2019

Semester - VI

Course: LS-3-6-5

(Diversity of Life Forms)

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer **Question No.1** and **any two** from the **Question No. 2 to 4**
and another **one** from **Question No. 5 to 7**.

1. Write short notes on **any ten** of the following: 2x10=20
 - a) Biological nomenclature
 - b) Six Kingdom system of classification of Whittaker.
 - c) Law of priority
 - d) Protoplasmic grade of organization.
 - e) Enterocoelic coelom
 - f) Metameric segmentation
 - g) Endangered species
 - h) Need of wildlife conservation.
 - i) Pseudocoelomates
 - j) Project Tiger
 - k) Biosphere Reserve
 2. Write with examples the different adaptive modifications in birds due to varied feeding habits. 5
 3. What are endangered species? Describe any two special approaches of Government of India to conserve endangered species. 5
 4. Define the following (i) Systematics (ii) Taxonomy (iii) Classification (iv) Biological species (v) Hierarchical taxa. 5
 5. What are food borne diseases? Discuss the transmission of diseases by pet animals, mosquitoes and rodents. 10
 6. Explain adaptive radiation with suitable example. Add a note on its evolutionary significance. 10
 7. What do you understand by the term 'wildlife'? Discuss different ways of management of wildlife. 10
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