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TOPICS FOR INTERNAL ASSESSMENT ASSIGNMENTS (2008-09)
Course: M.Sc. ZOOLOGY (Final)

Note: Students are advised to read the separate enclosed instructions before beginning the writing of assignments.

Out of 15 Internal Assignment marks per paper, 5 marks will be awarded for regularity (attendance) to Counseling/ Contact Programme/ Practical classes pertaining to the paper. Therefore, the topics given below are only for 10 marks each paper.

Paper V: Aquaculture and Wildlife Studies

1. a) Give a detailed account on culture of pearl oysters and frogs. 5 Marks
OR
b) Write an essay on bacterial diseases of fishes.
2. a) Describe wildlife conflicts between man and tiger, wolf and elephant. 5 Marks
OR
b) Give a detailed account on protected area network of India.

Paper VI: Environmental Pollution and Toxicology

1. a) Comment on solid waste and hazardous wastes. Add a note on its handling and management. 5 Marks
OR
b) Illustrate drinking water purification and distribution.
2. a) Write an essay on metabolism of toxic substances in animals by means of detoxification mechanism. 5 Marks
OR
b) Explain the classification of pesticides in detail.

Paper VII: Apiculture and Sericulture

1. a) Write an essay on silkworm genetics, linkage and selective sex rearing. 5 Marks
OR
b) Give details about the modern rearing technology.
2. a) Bees are social insects. Justify. 5 Marks
OR
b) Describe management of bee keeping.

Paper VIII: Molecular Biology and Biotechnology

1. a) Illustrate structure and models of DNA and RNA. 5 Marks
OR
b) What is central dogma of molecular biology? Discuss.
2. a) Describe genetic engineering and its objectives. 5 Marks
OR
b) Write an essay on construction of genomic and cDNA libraries.