

RAMAKRISHNA MISSION VIDYAMANDIRA

(Residential Autonomous College affiliated to University of Calcutta)

SECOND YEAR [2017-20]

B.A. /B.Sc. FOURTH SEMESTER (January – June) 2019

Mid-Semester Examination, March 2019

Date : 28/03/2019

Time : 1 pm – 2 pm

ZOOLOGY (General)

Paper: IV

Full Marks: 25

1. Answer **any five** questions of the following: [5 × 2]
 - a) Define 'Parasitoids'.
 - b) Write down the composition of silk.
 - c) Define Systematics.
 - d) What is Beta Taxonomy?
 - e) Define 'Phenon' and 'Taxon'.
 - f) Write the scientific names of a fresh water pearl oyster and an Indian major carp. [1+1]
 - g) Write the chemical composition of pearl.
 - h) What is mariculture and metahaline culture? [1+1]
2. Answer **any two** questions of the following: [2 × 2.5]
 - a) Give an account on pathogenesis of amoebic dysentery.
 - b) Mention different types of silkworms which are industrially important? State the respective host plant associated to each.
 - c) Enumerate the advantages of polyculture.
 - d) Mention the aspects that should be taken care of before introducing exotic fishes
 - e) Distinguish between species and sibling species.
3. Answer **any two** questions of the following: [2 × 5]
 - a) Briefly describe the life cycle of *Fasciola hepatica*.
 - b) Discuss about the various diseases of silkworms of *Bombyx mori* and their control measures.
 - c) Define ichthyology. Write the significance of pisciculture. [1+4]
 - d) What is 'Downward Classification'? Distinguish between Paratype and Lectotype. State the differences between 'Homonyms' and 'Synonyms'. [1+2+2]
 - e) 'Sympatric and allopatric species are spatially distinctive' – justify. Mention important features of a 'Biological species'. [2 +3]

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