

RAMAKRISHNA MISSION VIDYAMANDIRA
(Residential Autonomous College affiliated to University of Calcutta)

FIRST YEAR [2019-22]
B.A./B.Sc. FIRST SEMESTER (July – December) 2019
Mid-Semester Examination, September 2019

Date : 16/09/2019
Time : 11 am – 12 noon

ZOOLOGY (Honours)
Paper : I[CC 1]

Full Marks : 25

Answer **any five** questions :

[5×5]

1. *Vorticella* & *Nosema* belong to the phyla _____ & _____ respectively. What are the functions of amoebocytes in sponges? Why class Calcarea is named so? [2+2+1]
2. Describe the process of Autogamy in *Paramoecium* sp. What is Planula? Mention the different types of zooids found in *Physalia* colony with relevant diagrams. [2+1+2]
3. Draw a labelled diagram of the microscopic structure of flagella. Comment on the formation of an Atoll. State the location and function of cnidoblasts? [2+2+1]
4. Distinguish between – (a) Polychaeta & Oligochaeta (b) Prosobranchia & Opisthobranchia [3+2]
5. What is the function of Laurer's canal? States the importance of phyllobranchs. Illustrate the structure of flame cell with a suitable diagram? [1+1+3]
6. Classify the gills of Prawn. State the significance of Miracidium larva. [4+1]

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