FACULTY OF SCIENCE
B. Sc. 1-Year Examination, March / April 2015
Subject : Zoology
Paper – I
Biology of Invertebrates and Cell Biology

Time : 3 Hours  Max. Marks : 100

Note : Draw the diagrams wherever necessary.

Section – A (5x8=40 Marks)
(Short Answer Type)

Note: Answer any five questions. Attempt at least one question from each unit.

UNIT-I
1  Miracidium
2  Botryoidlal tissue

UNIT-II
3  Zoaea
4  Tomaria larva

UNIT-III
5  Exocytosis
6  Lampbrush Chromosome

UNIT-IV
7  Structure of Pyrimidines
8  Steroids

Section – B (4x15= 60 Marks)
(Essay Answer Type)

Note: Answer all questions.

9  (a) Classify Phylum Protozoa up to classes with examples.
   OR
   (b) Describe the canal system in Sycon.

10 (a) Discuss the characters and significance of Peripatus.
    OR
    (b) Describe the Water Vascular System in Starfish.

11 (a) Describe the structure and functions of Cell organelle, plasma, membrane.
    OR
    (b) Explain in detail the process of Meiosis and its significance.

12 (a) Describe the structure of fatty acids, differentiate saturated and unsaturated fatty acids.
    OR
    (b) Write an account on the structure and functions of RNA.

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