



Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16
NEP 2020 (Autonomous)
End Semester Examination: April 2024

Total No. of Questions: 4

Total No. of Pages: 2

First Year (B. Sc. Biotechnology)
BIO1213: Animal Science
(Semester II)

Program: B.Sc. Biotechnology (04)
Program Specific: Biotechnology
Course Type: Core

Credits: 2
Time: 2 Hours
Max. Marks: 30
SET: A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labelled diagram wherever necessary.

SECTION: A

Q1) Answer the following.

[1 X 5 = 5]

1. Define tissue
2. What are protozoans?
3. Give two examples of phylum Mollusca.
4. Mention the role of salivary amylase.
5. Define sericulture.

SECTION: B

Q2) Answer any FIVE of the following (5/7).

[2 X 5 = 10]

1. Write characteristics of class amphibia.
2. Comment on cartilage.
3. What is Chloride shift.
4. Enlist benefits of vermiculture.
5. Differentiate between striated and non-striated muscles.
6. Hydra as a model organism. Justify.
7. Mention the functions of thyroxine

SECTION: C

Q3) Answer the TWO of the following (2/4).

[5 X 2 = 10]

1. Describe life cycle of *Fasciola hepatica*.
2. With the help of diagram explain oxygen dissociation curve.
3. Discuss on social organization in honey bee
4. Elaborate on physiology of circulation

SECTION: D

Q4) Answer any ONE of the following (1/2).

[5 X 1 = 5]

1. Describe spermatogenesis.
2. Draw a neuron and explain conduction of nerve impulse.
