



Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16
End Semester Examination: Jan.2022
Faculty: Science and Technology

Program: B.Sc.

Semester:I

SET: A

Program (Specific):Biotechnology

Course Type:Core

Class: F.Y Biotechnology

Max. Marks: 35

Name of the Course:Animal Science-I

Course Code: 22 BBT-105

Time: 2Hr

Instructions to the candidate:

- 1) *There are 4 sections in the question paper. Write each section on separate page.*
- 2) *All Sections are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw a well labelled diagram wherever necessary.*

SECTION: A

Q1) Answer the following Any Five

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1. Define Metamerism.
2. Enlist two locomotory organelle of phylum protozoa.
3. Give two functions of coelom.
4. Write any two characteristics of epithelial tissue.
5. Define hibernation in frog.
6. Give two examples of phylum Arthropoda.

SECTION: B

Q2) Answer the following Any Five

10

1. Write about the water vascular system in Echinoderms with respect to Star fish.
2. Draw and explain the ultrastructure of striated muscle fibre.
3. Explain Haversian canal system.
4. Explain the structure of sting apparatus of honey bee.
5. Why Drosophila is considered as a good model system.
6. Write differences between Chondrichthyes and Osteichthyes.

SECTION: C

Q3) Answer the following Any Two

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- 1. Describe canal system in Porifera.**
- 2. Compare and contrast sexual diamorphism in Drosophila.**
- 3. Write short notes on cartilage.**
- 4. Comment on bee communication.**

SECTION: D

Q4) Answer the following Any Two

12

- 1. With a well labelled diagram describe structure and functions of neuron.**
- 2. Explain in detail female reproductive system in frog.**
- 3. Discuss social organization in honey bee.**
- 4. Write the characteristics of class reptilian with two examples.**

