

B.Sc. Semester - 3 (CBCS) Examination
July-2025 (OLD COURSE)
ZOOLOGY(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)**
- 1) Give the classification of phylum Porifera up to class.
 - 2) Give the classification of phylum Arthropoda up to class.
- Que-1(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)**
- 1) Give the classification of phylum Coelentrata up to class.
 - 2) Give the classification of phylum Annelida up to class.
- Que-1(C) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)**
- 1) Unicellular, eukaryotic, microscopic first animals included in phylum
 - 2) Presence of canal system is the peculiarity of phylum
 - 3) Flame cells are excretory organs in phylum
 - 4) Which is the largest phylum of the world ?
 - 5) Which phylum bears exclusively marine animals ?
- Que-2(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)**
- 1) Describe male reproductive system of leech.
 - 2) Describe sponging type mouthparts.
- Que-2(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)**
- 1) Describe sycon type canal system in sponge.
 - 2) Sketch & label digestive system of leech.
- Que-2(C) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)**
- 1) Simplest type of canal system is
 - 2) Scientific name of leech is
 - 3) How many crops are found in the digestive system of leech ?
 - 4) Peripatus belongs to phylum
 - 5) Which type of mouth parts found in mosquito ?
- Que-3(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)**
- 1) Describe structure and function of Golgi complex.
 - 2) Describe histological structure and function of Thyroid gland.
- Que-3(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)**
- 1) Describe structure and function of Lysosome.
 - 2) Describe histological structure and function of Adrenal gland.

Que-3(C) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)

- 1) The main function of Ribosome is
- 2) Lysosome is also known as
- 3) Which gland is known as master gland ?
- 4) Blood, water and urea filter from the organ
- 5) Secretion of Thyroid is known as

Que-4(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)

- 1) Describe social behavior of honey bee.
- 2) Describe parental care behavior with suitable examples.

Que-4(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)

- 1) Describe courtship behavior with any two suitable examples.
- 2) Write a note on silver fish as insect damaging household Goods.

Que-4(C) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)

- 1) is the sterile caste of honey bee.
- 2) Termites also known as
- 3) Generally courtship dance performed by a
- 4) Alytes protects the eggs by keeping it on his
- 5) Rice weevil and wheat weevil damages the

Que-5(A) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (07)

- 1) Describe Ratanmahal Sloth Bear Sanctuary.
- 2) Describe Sphygmomanometer.

Que-5(B) ANSWERS THE FOLLOWING QUESTIONS. (ANY ONE OUT OF TWO) (04)

- 1) Write a note on Asiatic lion as threatened mammal.
- 2) Write a note on Ecological pyramids.

Que-5(C) GIVE THE ANSWER OF FOLLOWING QUESTIONS. (ANY THREE OUT OF FIVE) (03)

- 1) Velavadar national park is famous for which animal ?
- 2) sanctuary derives its name from a historic temple of lord Shiva.
- 3) *Panthera tigris* is the scientific name of
- 4) is the state bird of Gujarat State.
- 5) Which instrument is used to measure blood Haemoglobin ?
