

Seat No. _____



A Charutar Vidya Mandal's Institution
VP & RPTP SCIENCE COLLEGE

(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120

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B.S.C. SEMESTER-I EXTERNAL EXAMINATION-2024
US01MIZOO01 (INVERTEBRATES DIVERSITY)

DATE: 20/11/2024

TIME: 11:00 TO 12:30PM

MARKS: 25

(05)

Q 1 MULTIPLE CHOICE QUESTIONS.

1. Which of the following phyla is not a member of the Kingdom Animalia?
a) Arthropoda
b) Fungi
c) Mollusca
d) Echinodermata
2. How do most protozoa obtain their nutrition?
a) Absorption of dissolved nutrients
b) Photosynthesis
c) Ingestion of solid food particles through phagocytosis
d) Excretion of enzymes to digest external food sources
3. The canal system in sponges serves which of the following primary functions?
a) Circulation of water and food particles
b) Reproduction
c) Respiration and excretion
d) Movement
4. In the water vascular system of Asteroidea, which structure is responsible for locomotion?
a) Madreporite
b) Radial canal
c) Tube feet
d) Stone canal
5. Earthworms are vital for agriculture because they:
a. Help in pollination
b. Decompose organic matter and improve soil structure
c. Produce silk
d. Control pest populations



- Q2. (A) Write a short note on Sexual reproduction in Protozoa. (05)
(B) Describe the Life cycle of Plasmodium vivax with diagram. (05)

OR

- Q2. (A) Write Short note on canal System of Sponges. (05)
(B) Describe the Life cycle of *Fasciola hepatica* in short (05)

- Q3.(A) Write down Economic importance of Annelida. (05)
(B) Write down general classification of Kingdom Animalia up to Echinodermata. (05)

OR

- Q3.(A) Write short note on Economic importance of Mollusca. (05)
(B) Write down in details about Water vascular system in Asteroidea. (05)