

Total No. of Printed Pages: 02

SUBJECT CODE NO:- B-2082
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. F.Y (Sem-II)
Examination November/December-2022
Zoology Paper-IV
Arthropod to Echinodermata and Protochordata

[Time: 1:30 Hours]

[Max.Marks:50]

- N.B Please check whether you have got the right question paper.
- i) Attempt all questions.
 - ii) Illustrate your answer with suitable labelled diagram.

Q.1 Describe in detail Reproductive system of prawn.

20

OR

Give the general characters of pila globosa.

Q.2 Explain in brief morphology of oral and aboral view in Asterias

20

OR

Write short notes on (any four)

- a) Distinguish between trachea and tracheole
- b) Metamorphosis in Cockroach.
- c) External features of Amphioxus
- d) General characters of Herdmania
- e) External characters of Hemichordates
- f) Bipinnaria larva

Q.3 Select and write correct answer from the given alternative.

10

- 1) Periplaneta belongs to the phylum.
 - a) Annelida b) Arthropoda c) Platyhelminthes d) Porifera
- 2) The skeleton of cockroach is formed of
 - a) chitin b) cuticle c) amino acid d) cartilage
- 3) Number of paired spiracles in cockroach are
 - a) 10 b) 02 c) 06 d) 04
- 4) Heart of cockroach is -----
 - a) Multichambered b) Single c) Longitudinally beaded d) All of these
- 5) The shell coiling right handed is known as -----
 - a) Dextral b) Sinistra c) Anticlockwise d) None of these
- 6) Osphradium is associated with
 - a) Digestion b) Olfactory sensation c) Respiration d) Exertion

- 7) Pila is a -----
a) Carnivorous b) Herbivorous c) Sanguivorous d) Omnivorous
- 8) -----is a viviparous Echinodermata
a) Amphira b) Antidoni c) Holothuria d) None of above
- 9) Madreporite absent in -----
a) Holothuroidea b) Crinoida c) Echinoidea d) Asteroidea.
- 10) How many segments in Cephalothorax
a) 11 b) 13 c) 19 d) 15