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SUBJECT CODE NO: - Y-2082
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. F.Y (Sem-II)
Examination March / April - 2023
Zoology Paper-IV
Arthropod to Echinodermata and Protochordata

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

N. B

- 1) Attempt all questions.
- 2) Illustrate your answer with suitable diagram.

Q1 Describe the structure and Morphological characters of prawn.

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OR

Describe respiratory system of cockroach

Q2 Describe water vascular system in asterias.

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OR

Write short notes on (any four)

- a) Shell of pila
- b) Organs of pallial complex
- c) Circulatory system in Amphioxus
- d) General characters and affinities in Hemichordate
- e) General characters and Morphology of Herdmania
- f) Classify pila upto order

Q3 Select and write correct answer from the given alternatives in each sub questions.

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- 1) Egg case of cockroach is known as
 - a) Embryophore
 - b) Ootheca
 - c) Gonophore
 - d) Female Gamete
- 2) The excretory waste of cockroach and other insect is
 - a) Ammonia
 - b) Uric acid
 - c) urea
 - d) Guanine

- 3) Biggest phylum with reference to number of species is
 - a) Platyhelminthes
 - b) Mollusca
 - c) Porifera
 - d) Arthropoda
- 4) Fresh water apple snail is
 - a) Unio
 - b) Pila
 - c) Aeolis
 - d) Doris
- 5) How many teeth are found in a row of Radula
 - a) 5
 - b) 7
 - c) 9
 - d) 11
- 6) Mode of Respiration in pila is
 - a) Aquatic
 - b) Aerial
 - c) Both
 - d) None
- 7) Tegumentary gland is present in
 - a) Epidermis
 - b) Cuticle
 - c) Legs
 - d) Dermis
- 8) The power of regeneration occurs in
 - a) Porifera
 - b) Coelenterata
 - c) Echinodermata
 - d) All
- 9) Radial symmetry occurs in metazoans
 - a) Porifera coelenterata
 - b) Coelenterata platyhelminthes
 - c) Annelida echino dermeta
 - d) Coelenterata Echinodermata
- 10) Sea pentagon is a
 - a) Porifera
 - b) Coelenterata
 - c) Mollusca
 - d) Echinodermata