

VTM NSS COLLEGE, DHANUVACHAPURAM
DEPARTMENT OF ZOOLOGY
QUESTION BANK

Semester 1-Animal diversity I (Core)

Answer all questions in one or two sentences. Each question carries one mark.

1. Statocyst
2. write the scientific name of rice bug
3. What is petasma
4. What is ommatidium
5. What is apposition image
6. Gastric mill
7. What is mosaic vision
8. Significance of limulus as a living fossil
9. What is epipodite?
10. What is ommatidium?
11. What is a living fossil?
12. Name the class and genus of king crab.
13. What is apposition image?
14. Why Limulus is called living fossil?
15. What is green gland?
16. 11. Extinct arthropods belong to which subphylum?

Answer any eight of the following questions. Each question carries 2 marks

1. Write notes on the branchial formulae of prawn
2. Write notes on sacculina
3. Distinguish between culex and anopheles mosquitoes
4. what is parasitic castration
5. With alabelled diagram,describe the mouth parts of mosquito
6. Give a brief account of thelarval forms of penaeus
7. Write note on limulus
8. Describe nauplius larva of Penaeus.
9. Mention the evolutionary significance of Peripatus.
10. Branchial formula of prawn.
11. What is petasma? What is its function?
12. Write notes on green glands.

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13. Write notes on sacculina.
14. Mention the function of hepatopancreas in prawn.
15. Sketch and label nauplius larva of prawn.
16. What are the excretory organs found in Phylum Arthropoda?
17. What is the evolutionary importance of Limulus?
18. Distinguish between endopodite and exopodite.
19. What is Thelycum? What is its function?

20. Name the larval stages of Penaeus in sequence

Answer any six of the following questions. Each question carries 4 marks

1. Give an account on any pests of coconut
2. Describe the structure of eye of prawn
3. Explain the digestive system of prawn
4. Explain parasitic castration in sacculina
5. With the help of a diagram describe a biramous appendage of prawn
6. Give an account on any two pests of paddy
7. Sketch and label the nauplius larva of prawns
8. Describe the structure of green glands in Penaeus.
9. Describe the structure of eye of prawn.
10. Give a brief account on larval forms of Penaeus.
11. With diagram explain cephalic appendages of prawn.
12. What are the peculiarities of Limulus and comment on its larva.
13. With neat well labeled diagram, explain nervous system of prawn.
14. Write a note on abdominal appendages of Penaeus.
15. Describe reproductive system of prawn.

Answer any two of the following questions. Each question carries 15 marks

1. Give an account on various arthropodan pests
2. With the help of labeled diagrams, describe appendages of prawn
3. Describe the life cycle, damages and control measures of Oryctes, Rhyncophorus, Leptocorisa, Nilaparvata
4. Describe the cephalothoracic appendages of penaeus with suitable diagram
5. With the help of labeled diagrams describe the appendages of prawn
6. With a neat labeled diagram explain the nervous system of penaeus

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7. Describe the reproductive system of prawn. Explain its larval stages
8. With a neat labeled diagram write an essay on the structure and working of compound eyes in prawn
9. Describe the structure of eye of prawn. Add note on the mechanism of their vision
10. Describe the various larval stages of prawn
11. Write an essay on the respiratory system of prawn. Add a note on the mechanism of respiration
12. Explain the structure and mechanism of respiration in Penaeus
13. With suitable diagram explain the life cycle of Penaeus.
14. With the help of labelled diagrams, describe the appendages of prawn.
15. .
16. With neat labeled diagram write an essay on the structure and working of compound eye.
17. Briefly explain salient features of Arthropoda. Classify upto classes mentioning one example for each.

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