

**ANEKANT EDUCATION SOCIETY'S
TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE AND COMMERCE
AUTONOMOUS INSTITUTE**

QUESTION BANK

Class: T.Y.B.Sc. (Semester – V)

Paper Code: ZOO: 3501

Animal Systematics & Diversity-V Paper: I Credit: 4

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MCQs

1. *Pila globosa* is belongs to phylum
 - a. Annelida
 - b. **Mollusca**
 - c. Arthropoda
 - d. Protozoa
2. The shell of *Pila globosa* is
 - a. **Univalve**
 - b. Bivalve
 - c. Trivalve
 - d. Avalve
3. The shell of *Pila globosais*.....coiled.
 - a. Left handed
 - b. **Right handed**
 - c. Both a and b
 - d. None of the option
4. The lines between the whorls of shell are called as
 - a. **Sutures**
 - b. Body whorls
 - c. Penultimate whorl
 - d. Varix
5. Innermost layer of shell known as.....
 - a. Periostracum
 - b. Ostracum
 - c. Nacreous layer
 - d. **Mantle**
6.serve for a temporary storage of food and digestion begins in them.
 - a. Salivary glands
 - b. **Oesophageal pouches**
 - c. Oesophagus
 - d. Buccal gland
7.often referred to as liver or hepatopancreas of *Pila globosa*.
 - a. **Digestive gland**
 - b. Salivary gland
 - c. Buccal gland

- d. Oesophageal pouches
8. Intracellular digestion takes place in
- a. Stomach
 - b. Digestive gland
 - c. Oesophagus
 - d. Salivary gland
9. The heart of Pila consists of chamber/s.
- a. Three
 - b. Two
 - c. One
 - d. Four
10. Which of the following involved in aerial respiration?
- a. Ctenidium
 - b. Renal organ
 - c. Pulmonary sac
 - d. Osphradium
11. In polymorphic forms of coelenterates _____ serves for capturing of food and its digestion.
- a. Dactylozooids
 - b. Gono zooids
 - c. Gastro zooids
 - d. Gonophores
12. Which of the following is example of polymorphic zooid?
- a. Obelia
 - b. Tubularia
 - c. Hydractinia
 - d. All the above
13. Which types of teeth are present in garden lizard?
- a. Heterodont, Acrodont
 - b. Homodont, pleurodont
 - c. Homodont, acrodont
 - d. Heterodont, pleurodont
14. Heart of Calotes is.....
- a. Incompletely Four chambered
 - b. Three chambered
 - c. Incompletely three chambered
 - d. Two chambered
15. In Calotes urinogenital duct opens into the
- a. Proctodaeum
 - b. Urodaeum
 - c. Coprodaeum
 - d. Urinary bladder.
16. Which fish is respire exclusively by gills.....
- a. Protopterus

- b. Lepidosiren
 - c. Neoceratodus
 - d. Dipnoi
17. Dental formula of mammal is
- a. 2213
 - b. 2123
 - c. 1223
 - d. 1123
18. Two additional bones, namely, postfrontal and supratemporal are present in the following type of skull.
- a. Parapsid
 - b. Anapsid
 - c. Diapsid
 - d. Synapsid

Attempt the following

1. Explain in brief shell of Pila.
2. What is odontophore?
3. State the function of redula.
4. What is mantle?
5. State habit & habitat of Pila.
6. What is columella?
7. What is Aestivation?
8. Give the names of pallial complex organs of Pila.
9. State the function of jaws of Pila.
10. What is eupyrene sperm of Pila?
11. What is oligopyrene sperm of Pila?
12. What is ctenidium?
13. State the function of pulmonary sac.
14. Which is the excretory organ of Pila?
15. What is ganglion?
16. What is Commissure?
17. State any two functions of oviduct.
18. State the function of osphradium.
19. State the function of tentacles in Pila.
20. State the function of statocyst.
21. What is regeneration?
22. What are gemmules?
23. What is polymorphism?
24. What is zooid?
25. What are corals?
26. Give any two importances of corals.
27. What is metamerism?

28. State habit & habitat of Calotes?
29. What is insectivorous?
30. What is arboreal?
31. State any two types of scales in Calotes?
32. State the function of scales in Calotes?
33. Define heterodont type of dentition.
34. What is gullet?
35. State the function of hyoid apparatus in Calotes
36. Explain briefly blood of Calotes.
37. Enlist the digestive glands of Calotes.
38. Which is the excretory organ of Calotes?
39. State the function of receptaculum seminalis.
40. Give any two functions of oviducts of Calotes.
41. What is pecten?
42. State the function of tympanum in Calotes.
43. Define Aechinephros kidney.
44. Define Pronephros kidney.
45. Define mesonephros kidney.
46. Define metanephros kidney.
47. State the function of optic lobes in Calotes.
48. State the function of Olfactory lobes in scoliodon.
49. State the functions of medulla oblongata in rat.
50. State the functions of diencephalon on frog.
51. What is parental care in pisces?
52. Define homodont type of dentition.
53. Define diphyodont dentition.
54. What is dental formula?
55. Enlist type of teeth in man.
56. State the organ of aquatic respiration of Pila.

SHORT ANSWER QUESTIONS

1. Describe shell of Pila.
2. Describe organs of pallial complex in Pila
3. Describe excretory system of Pila.
4. Describe aquatic respiratory mechanism of Pila.
5. Describe aerial respiratory mechanism of Pila.
6. Describe male reproductive system of Pila.
7. Describe female reproductive system of Pila.
8. Describe metamerism in annelids.
9. Explain biology of tardigrades.
10. Describe external characters of Calotes.
11. Describe male reproductive system of Calotes.
12. Describe female reproductive system of Calotes.
13. Describe heart of scoliodon & frog
14. Describe heart of calotes & pigeon.

15. Describe heart of pigeon & rat.
16. Describe brain of scoliodon & frog
17. Describe brain of calotes & pigeon.
18. Describe brain of pigeon & rat.
19. Describe parental care in pisces.

WRITE SHORT NOTE ON

NOTE: DRAW NEAT LABELED DIAGRAM WHEREVER NECESSARY

1. Shell of Pila.
2. Foot of Pila
3. Radula of Pila
4. Osphradium of Pila.
5. Ctenidium of pila.
6. Statocyst of Pila.
7. Tentacles of Pila.
8. Sponge regeneration.
9. Sponge reproduction.
10. Polymorphism in coelenterates.
11. Importance of corals.
12. Scales in Calotes.
13. Blood of Calotes.
14. Heart of Calotes.
15. Hemipenis of Calotes.
16. Eyes of Calotes
17. Archionephros kidney
18. Pronephros kidney
19. Mesonephros kidney
20. Metanephros kidney
21. Dentition in mammals.

LONG ANSWER QUESTIONS

NOTE: DRAW NEAT LABELED DIAGRAM WHEREVER NECESSARY

1. Explain digestive system of Pila. Give short note on food, feeding & digestion.
2. Describe excretory system of Pila.
3. Describe Nervous system of Pila.
4. Explain digestive system of Calotes. Give short note on food, feeding & digestion.
5. Describe excretory system of Calotes.
6. Describe the physical and mechanical pest control methods
7. Describe the Chemical and biological pest control methods

8. Describe dairy milk processing
9. Describe Indian cattle breeds