

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

QUESTION BANK

Class: F.Y.B.Sc. (Semester – II)

Paper Code: ZOO: 1101

Paper: I - Animal Systematics and Diversity- II

Credit: 2

.....
DEFINE/EXPLAIN

1. Urochordata
2. Cephalochordata
3. Hemichordata
4. Chondrichthyes
5. Osteichthyes
6. Anura
7. Apoda
8. Urodela
9. Cyclostomata
10. Croaking sound
11. Vocal sacs
12. Nuptial pad
13. Tympanum
14. Subrostral fossae
15. Food of frog
16. Prelingual elevations
17. Brow spot
18. Economic importance of frog
19. Moulting
20. Camouflage
21. Enemies of frog
22. Amplexus
23. Squating posture of frog
24. Leaping
25. Neoteny
26. Dipnoi
27. Blood of Frog
28. Catadromous fish migration
29. Anadromous fish migration
30. Paedogenesis

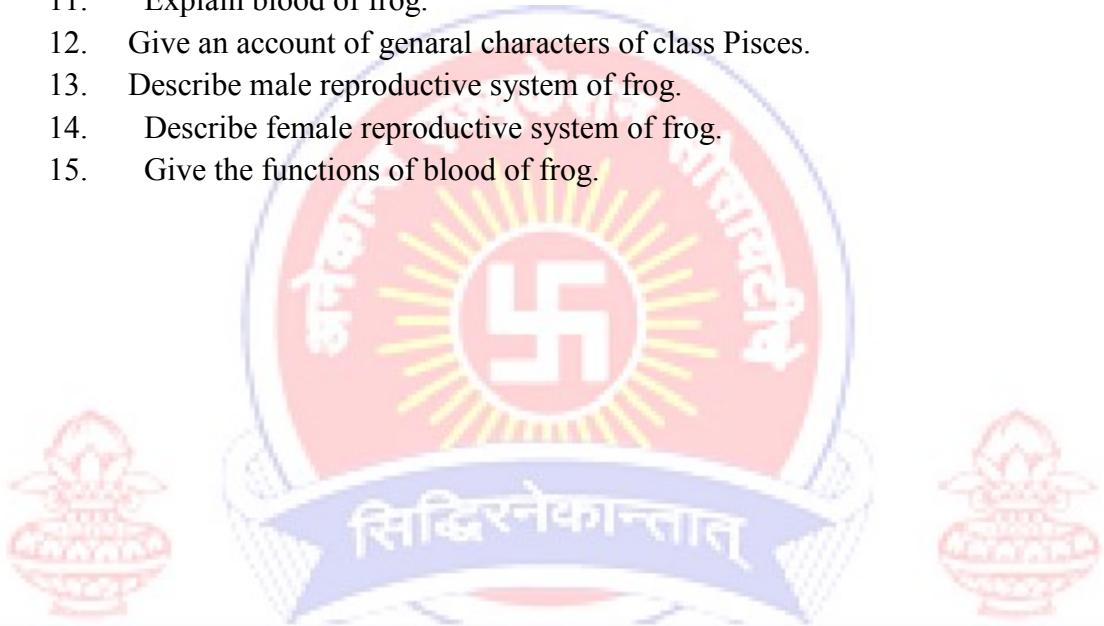


तुलजाराम चतुरचंद महाविद्यालय, बारामती

SHORT ANSWER QUESTIONS

NOTE: DRAW NEAT LABELED DIAGRAM WHEREVER NECESSARY

1. Give an account of general characters of Hemichordata.
2. State distinctive characters of Cartilaginous fishes
3. Explain sexual dimorphism in frog.
4. State general characters of class Amphibia
5. Explain parental care in Amphibia.
6. State distinctive characters of class Apoda.
7. Give external characters of frog.
8. Explain fish migration.
9. Explain scales in fishes
10. State distinctive characters of class Anura.
11. Explain blood of frog.
12. Give an account of general characters of class Pisces.
13. Describe male reproductive system of frog.
14. Describe female reproductive system of frog.
15. Give the functions of blood of frog.



तुळजाराम चतुरचंद महाविद्यालय, बारामती

WRITE SHORT NOTE ON

NOTE: DRAW NEAT LABELED DIAGRAM WHEREVER NECESSARY

1. General characters of Urochordata.
2. Bony Fishes.
3. General characters of Cyclostomata.
4. Heart of frog.
5. Neoteny in amphibia.
6. Buccopharyngeal cavity of frog.
7. Distinguishing characters of class Urodela .
8. Hemichordata affinities.
9. General characters of Cephalochordata
10. Structure of brain of frog.
11. Economic importance of Frog.
12. Retrogressive metamorphosis in urochordata.
13. Catadromous fish migration.
14. Anadromous fish migration
15. Sketch & label Male reproductive system of frog
16. Sketch & label female reproductive system of frog.
17. Sketch & label dorsal view of brain of frog.
18. Sketch & label Internal structure of heart of frog

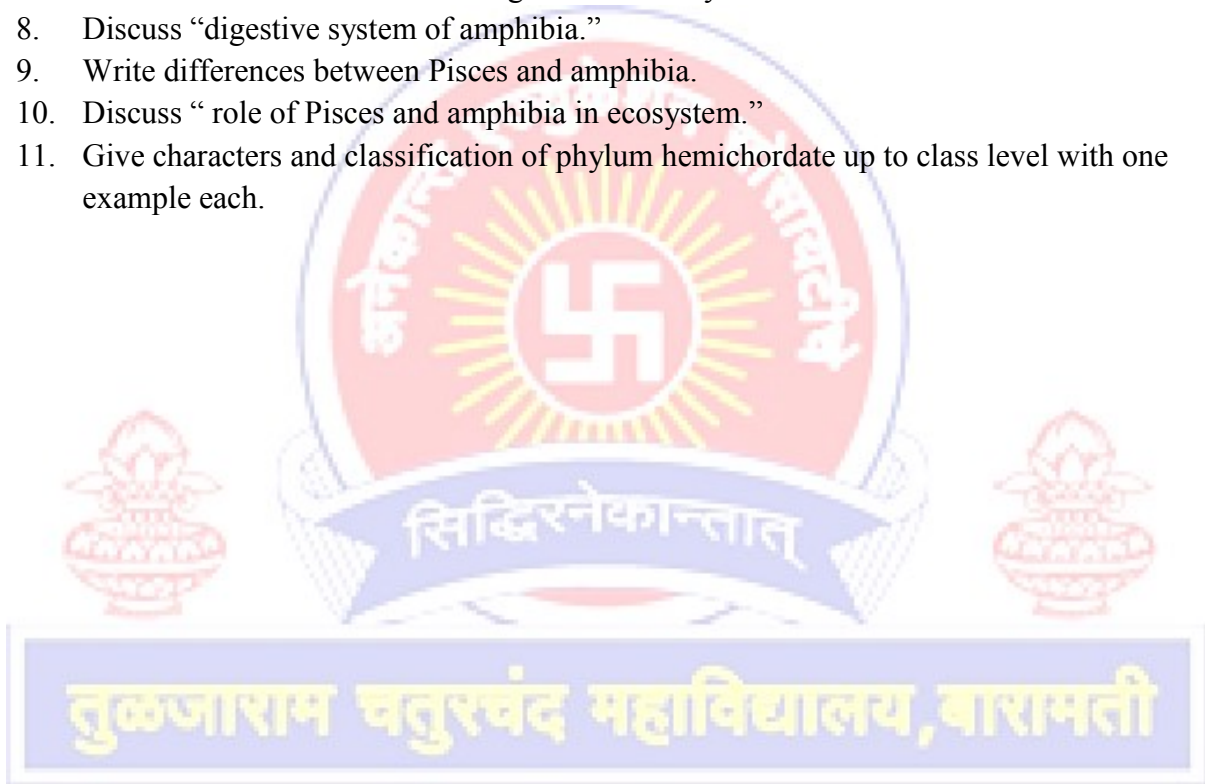


तुळजाराम चतुरचंद महाविद्यालय, बारामती

LONG ANSWER QUESTIONS

NOTE: DRAW NEAT LABELED DIAGRAM WHEREVER NECESSARY

1. Explain digestive system of frog. Add short note on food, feeding and digestion.
2. State distinguishing characters of Class Amphibia. Give characters of any two orders with one example of each.
3. Explain reproductive system of frog.
4. State distinguishing characters of class- Pisces. Give characters of any two orders and one example of each.
5. Discuss “central nervous system of amphibia.”
6. Explain neoteny and parental care in amphibia.
7. Write differences between cartilaginous and bony fishes.
8. Discuss “digestive system of amphibia.”
9. Write differences between Pisces and amphibia.
10. Discuss “ role of Pisces and amphibia in ecosystem.”
11. Give characters and classification of phylum hemichordate up to class level with one example each.



Multiple Choice Questions

- Which is the excretory organ in hemichordate?
(A) Malpighian bodies (B) Glomeruli
(C) Malpighian tubules (D) Flame cells
- In hemichordate, coelom is
(A) enterocoelous (B) schizocoelous
(C) false (D) absent
- Body of urochordates is covered by
(A) cuticle (B) cilia (C) tunic (D) scales
- Skin of *Scoliodon* is covered with
(A) placoid scales (B) cycloid scales
(C) ctenoid scales (D) ganoid scale
- The type of tail fin in rohu is
(A) heterocercal (B) homocercal
(C) protocercal (D) hemicercal
- Kidney of fishes is
(A) archaenephric (B) pronephric
(C) mesonephric (D) metanephric
- Male frog croaks loudly with the help of
(A) nuptial pads (B) vocal sacs
(C) nostrils (D) swimming webs
- Heart of pisces is
(A) four chambered (B) three chambered
(C) incompletely three chambered (D) two chambered
- Which of the following is limb-less amphibian?
(A) Salamander (B) Frog (C) *Ichthyophis* (D) Toad
- Hibernation is
(A) rainy sleep (B) summer sleep
(C) winter sleep (D) spring sleep
- In frog, nuptial pads are present on
(A) head of male (B) trunk of female
(C) hindlimb of female (D) forelimb of male
- In amplexus, male frog grasps the female firmly with
(A) nuptial pads (B) vocal sacs
(C) swimming webs (D) hind limbs
- Function of tympanum in frogs is
(A) taste (B) touch (C) audition (D) vision
- Type of teeth in frog are
(A) homodont (B) heterodont
(C) thecodont (D) diphyodont
- Heart of frog is
(A) Completely two chambered (B) incompletely three chambered
(C) completely three chambered (D) incompletely four chambered

16. Function of olfactory lobes is
 (A) sense of touch (B) sense of taste
 (C) sense of vision (D) sense of smell
17. Cavities of brain are called as
 (A) fossa (B) ventricles
 (C) neurocoel (D) subdural cavity
18. Tangoreceptor of frog is
 (A) skin (B) tympanum (C) eyes (D) rostral fossae
19. Which of the following fish does not show anadromous migration?
 (A) *Salmon* (B) *Hilsa* (C) *Shad* (D) *Eel*
20. Which of the following is a cyclostome?
 (A) *Petromyzon* (B) *Pomfret*
 (C) *Herpadon* (D) *Mackerel*



तुळजाराम चतुरचंद महाविद्यालय, बारामती