



BIOLOGY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

ANIMAL DIVERSITY - II (CHORDATES)

Very Short Answer Type Questions

1. List out the characters shared by chordates and echinoderms.



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2. Write four salient features of cyclostomes.



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3. What is the importance of endostyle in lancelets and ascidians ?



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4. Name the type of caudal fins and scales that are present in a Shark and Catla respectively.



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5. What is the importance of air bladder in fishes ?



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6. How do you justify the statement heart in fishes is a branchial heart.



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7. What are claspers ? Which group of fishes possesses them ?



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8. How does the heart of an amphibian differ from that of a reptile ?



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9. Name the structures that appeared for the first time in amphibian, in the course of evolution.



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10. How do you distinguish a male frog from a female frog ?



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11. What is 'force pump' in frog ? Why is named so ?



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12. What are corporabigemina ? Mention their chief function.



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13. Distinguish between mesorchium and mesovarium.



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14. Distinguish between milt and spawn.



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15. What are the 'Golden ages' of the first jawed vertebrates and the first amniotes ?



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16. Name two poisonous and non-poisonous snakes found in south India.



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17. In which features does the skin of a reptile differ from that of a frog ?



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18. Describe a cat and a lizard on the basis of their chief nitrogenous wastes excreted.



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19. Name the four extra embryonic membranes.



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20. What are Jacobson's organs? What is their function?



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21. What are pneumatic bones ? How do they help birds ?



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22. What is 'wish bone' ? What are the skeletal components that form it ?



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23. What is continuous oxygenation of the blood ? How is it made possible in birds.



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24. Distinguish between the crop and the gizzard in birds.



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25. Distinguish between altricial and precocial hatchlings.



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26. In which group of animals do we find three ear ossicles on each side and what are their names from the inner most to the outermost ?



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27. How does a mature RBC of a mammal differ from that of other vertebrates ?



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28. Name the characteristic type of vertebrae found in reptiles, birds and mammals.



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29. Name the three meninges. In which group of animals do you find all of them ?



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30. Name the vertebrates groups in which 'renal portal system' is absent.



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Short Answer Type Questions

1. Give three major differences between chordates and non-chordates and draw the sketch of a chordate's body showing those features.



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2. Name the four 'hallmarks' of chordates and explain the principal function of each of them.



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3. Describe the features of a tunicate that reveals its chordate identify.



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4. Compare and contrast sea squirts and lancelets.



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5. List out eight characteristics that helps distinguish a fish from the other vertebrates.



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6. Compare and contrast cartilaginous and bony fishes.



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7. Describe the structure of the heart of frog.



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8. Write eight salient features of the class - Amphibia.



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9. Describe the male reproductive system of frog with the help of a labelled diagram.



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10. Write short notes on organs of special senses in frog.



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11. List out the salient features of exo and endoskeleton's in reptiles.



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12. List out the extant orders of the Class - Reptilia. Give two examples for each Order.



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13. What are the modifications that are observed in birds that help them fly?



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14. What are the features peculiar to ratite birds ? Give two examples of ratite birds.



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15. Mention the most important features of nervous system and sense organs in mammals.



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16. Write short notes on the following features of the eutherians.

(a) Dentition, (b) Endoskeleton.



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17. Give an example for each of the following.

a. A viviparous fish

b. A fish possessing electric organs

c. A fish possessing poison sting

d. an organ which regulates buoyancy in the

body of a fish

e. an oviparous animal with milk producing glands.



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18. Mention two similarities between

(a) Aves and mammals

(b) A frog and a crocodile

(c) A lizard and a snake



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19. Name the following animals.

- a. A limbless amphibian
- b. The largest of all living animals
- c. An animal possessing dry and cornified skin
- d. 'National animal' of India.



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20. Write the generic names of the following.

- (a) An oviparous mammal
- (b) Flying fox

(c) Blue whale

(d) Kangaroo.



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Important Questions

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