



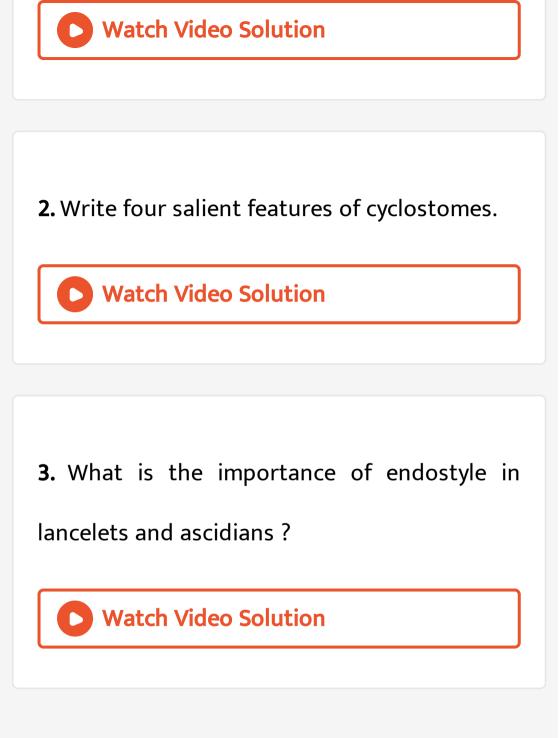
BIOLOGY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

ANIMAL DIVERSITY - II (CHORDATES)

Very Short Answer Type Questions

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



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 ?



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?

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.

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?



12. What are corporabigemina ? Mention their

chief function.

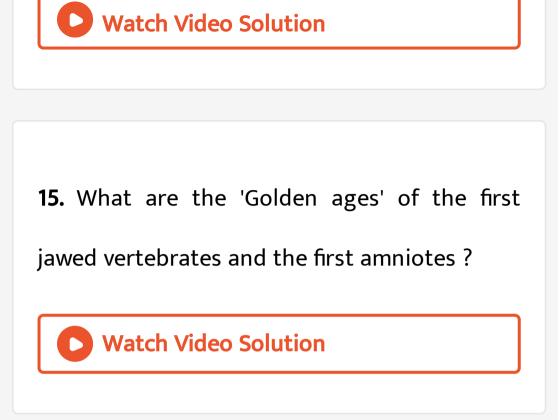


13. Distinguish between mesorchium and

mesovarium.



14. Distinguish between milt and spawn.



16. Name two poisonous and non-poisonous

snakes found in south India.



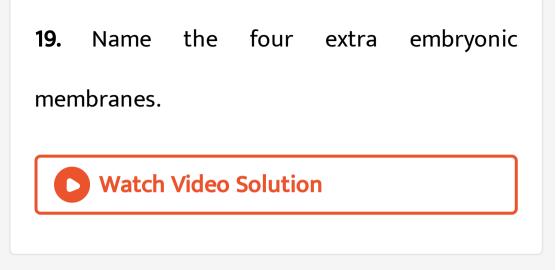
17. In which features does the skin of a reptile

differ from that of a frog ?



18. Describe a cat and a lizard on the basis of

their chief nitrogenous wastes excreted.



20. What are jacobson's organs ? What is their

function ?



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 ?

23. What is continuous oxygenation of the

blood ? How is it made possible in birds.



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



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 ?

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.

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.

3. Describe the features of a tunicate that

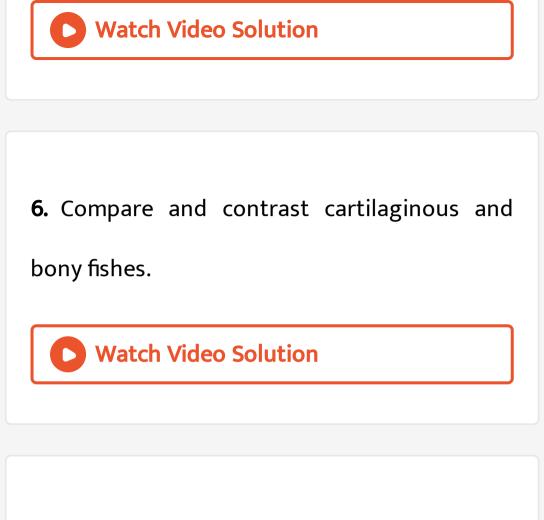
reveals its chordate identify.



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.

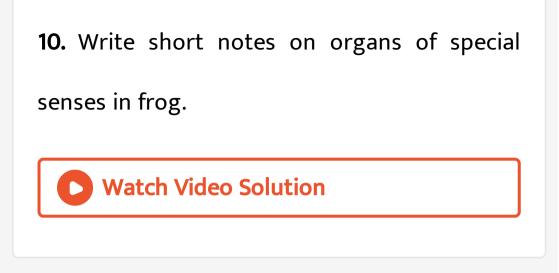


7. Describe the structure of the heart of frog.

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 labellel diagram.



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

12. List out the extant orders of the Class -

Reptilia. Give two examples for each Order.



13. What are the modifications that are

observed in birds that help them fly?



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.



16. Write short notes on the following features

of the eutherians.

(a) Dentition, (b) Endoskeletion.



- 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

- **19.** Name the following animals.
- a. A limbless amphilbian
- 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.



Important Questions

1. List out the characters shared by chordates

and echinoderms.

2. What is the importance of endostyle in

lancelets and ascidians ?

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3. How do you justify the statement heart in

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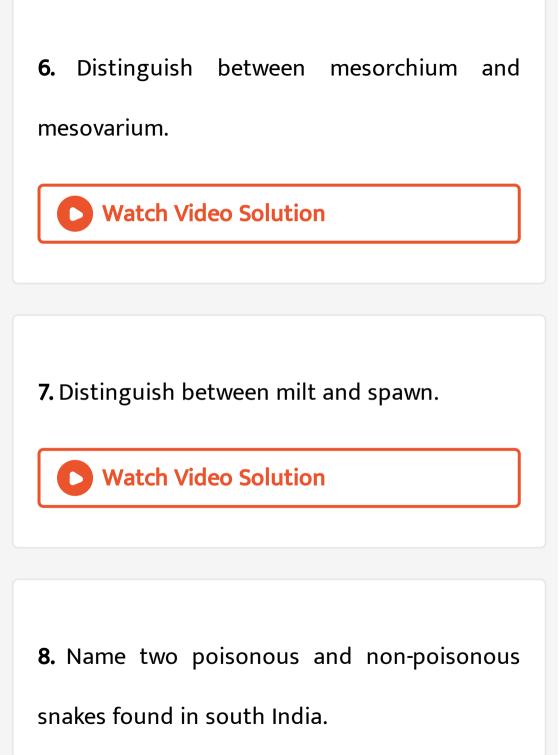
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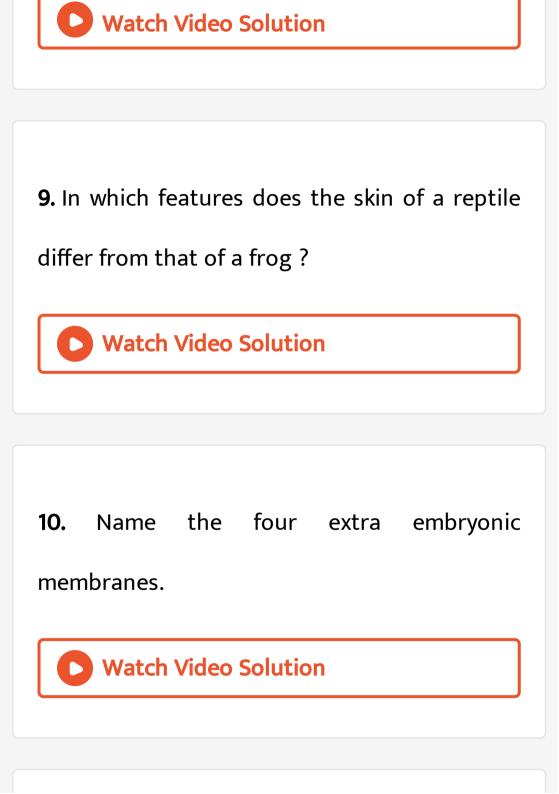
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17. Name the four 'hallmarks' of chordates and

explain the principal function of each of them.



18. Describe the features of a tunicate that

reveals its chordate identify.

19. Compare and contrast cartilaginous and bony fishes.
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20. Describe the structure of the heart of man

with the help of neat labelled diagram.

21. Write eight salient features of the class -

Amphibia.

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22. What are the features peculiar to ratite

birds ? Give two examples of ratite birds.

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