

VTM NSS COLLEGE, DHANUVACHAPURAM
DEPARTMENT OF ZOOLOGY
QUESTION BANK

Semester 2 - Core

ANIMAL DIVERSITY II

1 mark questions

1. Metamerism
2. Bilateral symmetry
3. Test/Tunic
4. Gnathostomata
5. Amblystoma
6. Oikopleura
7. write on oikopleuran house
8. Retrogressive metamorphosis
9. Salpa
10. Two sense organs of amphioxus
11. Wheel Organ
12. Filter feeding
13. Lamprey
14. Scientific name of Lamprey
15. Name the larvae of petromyzon
16. Ascidian tadpole larva
17. Name the larva of amphioxus
18. What is tunicin?
19. What are poikilotherms?
20. Give an example for an organism belonging to class thaliacea
21. Chondrichthyes
22. Narcine
23. ctenoid scale
24. Ganoid scale
25. Echenis
26. Acipenser
27. Protopterus
28. Name two culturable fishes of Kerala.
29. Anguilla
30. Mackerel
31. Pomfret

VTM NSS COLLEGE, DHANUVACHAPURAM
DEPARTMENT OF ZOOLOGY
QUESTION BANK

32. Lepidosiren
33. Give two examples for Dipnoi
34. Give scientific names of two edible fishes
35. Give the common name of narcine
36. Give the scientific name of mackerel
37. Limbless amphibian
38. Scientific name of frog.
39. Paedogenesis
40. Vomeronasal Organ/Jacobson's organ
41. Ductus Botalli
42. Alligator
43. Write a note on living fossil.
44. Patagium
45. Calotes
46. Blind snake
47. Drophis
48. Chameleon
49. Why is rat snake considered to be a farmer's friend?
50. Foramen of panizza
51. Pneumatic bones
52. Wish bone
53. Pygostyle
54. Synsacrum
55. Cleidoic eggs
56. Emu
57. Corpora quadrigemina
58. Cere
59. Plumage
60. Down feathers
61. Preen gland
62. Why are birds called glorified reptiles?
63. Characteristics of Archaeornithes.
64. Gynaecomasticism
65. Didelphic
66. Features of Macropus

VTM NSS COLLEGE, DHANUVACHAPURAM
DEPARTMENT OF ZOOLOGY
QUESTION BANK

- 67. Blubber
- 68. Galeopithecus
- 69. Manis
- 70. Paraxonic foot
- 71. Mesaxonic foot
- 72. Ecolocation
- 73. Diastema

2 mark questions

1. Give a brief account on diagnostic features/fundamental characters of chordates
2. What is hepatic portal system?
3. General features of Urochordata
4. Ascidian larva
5. Features of Thaliacea
6. Enumerate the adaptations of protopterus for its mode of living
7. Which organism is known as lancelet .Mention its subphylum
8. Mention the feeding mechanism seen in Amphioxus
9. Feeding behavior of Amphioxus
10. Describe the oral hood in amphioxus
11. Give main features of class cyclostomata
12. Give features of Tetrapoda.
13. Write the salient features of superclass Agnatha
14. Give features of Acipenser/Salpa
15. Feeding adaptations of lamprey
16. Describe the significance of Ammocetes larva
17. Enumerate the salient features of dipnoi
18. Give four aquatic adaptations of fishes
19. What is heterocercal caudal fin?
20. Chimera
21. Comment on Latimeria
22. Mention the features of Lepidosiren
23. Name any two fishes with accessory respiratory organs
24. What is the evolutionary significance of Latimeria
25. Give characteristics of Elasmobranchii

VTM NSS COLLEGE, DHANUVACHAPURAM
DEPARTMENT OF ZOOLOGY
QUESTION BANK

26. Give characteristics of Chondrichthyes.
27. Name any four edible fishes of Kerala
28. Mention four aquatic adaptations of fishes.
29. Why is *etroplus surentensis* known as pearl spot?
30. Comment on protopterus
31. Explain commensalism of echenis
32. Ichthyophis
33. Axolotl larva
34. Neoteny
35. Chelone
36. Carapace and Plastron
37. Evolutionary significance of sphenodon
38. Write a note on living fossils.
39. Adaptations of Draco
40. Adaptations of Chameleon
41. Naja
42. Viper
43. Bungarus
44. Differentiate between crocodiles and alligator.
45. Write peculiar features of interest in Crocodiles
46. What is meant by connecting link?
47. Struthio/Ostrich
48. Explain the features of flightless birds
49. Write the classification of Aves with example.
50. Features of Ratite/Paleognathae.
51. Features of Ratite/Neognathae.
52. What is pigeon's milk?
53. Remiges
54. What are the causes of bird migration?
55. Flight muscles
56. How do birds navigate during migration?
57. List Volant adaptations of Pteropus
58. Air sacs in birds
59. Give a brief description of Metatheria.
60. Write a short note on Manis/Aardvark/Armadillo

VTM NSS COLLEGE, DHANUVACHAPURAM
DEPARTMENT OF ZOOLOGY
QUESTION BANK

61. Differentiate between Arabian and Bactrian camel
62. Short note on sea cow
63. Short note on Kangaroo
64. Give the characteristics of Eutheria.
65. Differentiate between Asian and African Elephant
66. Write a note on desert adaptations of camel
67. Aquatic adaptations of Whale.
68. Define dental formula. Explain with example.
69. Write the scientific name of state bird and state fish of Kerala.
70. What is Shagreen?

4 mark questions

1. Explain Retrogressive metamorphosis with example
2. Classify Sub phylum Urochordata and give the characters of each class with an example
3. General characters of cephalochordate
4. Distinguish between Urochordates and Cephalochordates.
5. Discuss chordate and non-chordate affinities of Amphioxus.
6. Classify Vertebrata
7. Distinguish between Holostei and chondrostei
8. List any eight characters of fishes
9. Give an account on dipnoians
10. Give characteristics of Chimaeria.
11. Give an account on Lung Fishes
12. Explain the Accessory respiration in fishes
13. What is notochord Describe the structure in various subphyla of phylum chordate
14. Give a brief account on parental care in amphibians
15. Give general features of Class Amphibia
16. Explain different types of respiration in frog.
17. Explain the circulatory system in frog.
18. Write the reptilian and Avian features of Archaeopteryx.
19. Mention features of Chelonia
20. Adaptations of Chameleon
21. Write scientific names of two poisonous and two non-poisonous snakes.
22. Give scientific names of four poisonous snakes in Kerala.

VTM NSS COLLEGE, DHANUVACHAPURAM
DEPARTMENT OF ZOOLOGY
QUESTION BANK

23. Describe the uses of snake venom.
24. Evolutionary significance of Archaeopteryx
25. Explain the structure of quill feathers with diagram
26. Explain the structure of feathers.
27. Explain the structure of flight muscles
28. Explain the kinds of migration and modes of flight
29. Differentiate between Asian and African Elephant
30. Mention the salient features of class mammalia.
31. Why are monotremes/tachyglossus said to be unfinished mammals?
32. Give a brief account on reptilian and mammalian affinities of monotremes
33. Comment on Egg-laying mammals
34. Explain the salient features of order Marsupalia
35. Explain the salient features of order Marsupalia with example
36. Give a brief account on Macropus.
37. Write a short note on Loris
38. Give a brief account on aquatic adaptations of cetacea/dolphin/mammals.
39. Give a brief account on order Perissodactyla along with examples
40. Write a short note on desert adaptations of camel
41. Classify Mammals
42. Give characteristics of Ichthyosaurus
43. Explain dentition in mammals
44. Write the characters of Order carnivore
45. Write the characters of Order Perissodactyla
46. Write the characteristics of Primates.

Essay questions

1. Write an essay on lung fishes
2. Explain with diagram the adaptations of fishes to support for their accessory respiration.
3. Explain retrogressive metamorphosis in ascidia with the help of suitable diagram
4. List the salient features of subphylum Urochordata. Write the general characters and external features of Ascidia
5. Classify superclass pisces down to subclasses giving characters of each group with one example each

VTM NSS COLLEGE, DHANUVACHAPURAM
DEPARTMENT OF ZOOLOGY
QUESTION BANK

6. Classify Class Amphibia down to Order giving characters of each group with one example each
7. Classify Class Reptilia down to Order giving characters of each group with one example each
8. Explain the method of identification poisonous snakes from non-poisonous snakes.
9. Write an essay on flightless birds and their features
10. Write an essay on flight adaptations of birds
11. Write an essay on Bird Migration
12. Write an essay on egg laying mammals
13. Write a note salient features of mammalia and give its classification along with relevant examples
14. Write an essay on aquatic adaptations of mammals
15. Write a comparative account of brain of vertebrates.