



Steps towards success by almighty grace

KV ACADEMY

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THE NO. 1 INSTITUTE

1ST ZOOLOGY MOST IMPORTANT 8 MARKS QUESTIONS

GUNSHOT QUESTIONS -2026

LONG ANSWER QUESTIONS:

Chapter 6:

1. Explain the structure and life cycle of Entamoeba histolytica with the help of neat labelled diagram.
2. Describe the life cycle of Plasmodium vivax in man.
3. Describe the life cycle of Plasmodium vivax in mosquito.
4. Describe the structure and life cycle of Ascaris lumbricoides with the help of a neat labelled diagram.
5. Life cycle of wuchereria Banerofti

Chapter 7:

6. Describe the digestive system of cockroach with the help of a neat labelled diagram.
7. Describe the blood circulatory system of Periplaneta in detail and draw a neat and labelled diagram of it.
8. Describe the respiratory system of cockroach with the help of neat and labelled diagram.



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1ST ZOOLOGY MOST IMPORTANT 4 MARKS QUESTIONS

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Chapter 1:

1. Define species. Explain the various aspects of 'species'.
2. What is genetic diversity and what are different types of genetic diversities?
3. What are the reasons for greater biodiversity in the tropics?
4. What is the 'evil quartet'?
5. Explain in brief 'Biodiversity Hot Spots'.
6. Explain 'Rivet Popper' hypothesis.

Chapter 2:

7. Aratar tissue and schizocoelome and enterocoelome?
8. Give an account of glandular epithelium.
9. Write short notes on lymph?
10. Describe the three types of cartilage?
11. Explain Haversian system?
12. Describe the structure of a Skeletal Muscle.
13. Describe the structure of a cardiac muscle.
14. Describe the structure of a multipolar neuron

Chapter 3:

15. Write short notes on the salient features of the anthozoans?
16. Ceptipede and millipede
17. What are the salient features exhibited by polychaetes?
18. What are the chief characters of the crustaceans?
19. Mention the general characters f Arachnida.
20. What are the salient features of the echinoids?
21. Mention the salient features of Holothuroidea.

Chapter 4:

22. Name the four 'hallmarks' of chordates and explain the principal function of each of them.
23. List out eight characteristics that help distinguish a fish from the other vertebrates.

24. Compare and contrast cartilaginous and bony fishes.
25. Write eight salient features of the class Amphibia.
26. What are the modifications that are observed in birds that help them in flight?
27. What are the features peculiar to ratite birds? Give two examples of ratite birds.
28. Describe the structure of heart of frog?

Chapter 5:

29. What are lateral appendages? Based on their presence and absence, write the various types of flagella giving at least one example for each type.
30. Describe the process of transverse binary fission in Paramecium.
31. Describe the process of longitudinal binary fission in Euglena.
32. Give an account of pseudopodia.

Chapter 6:

33. Distinguish between hypertrophy and hyperplasia?
34. What is the need for parasites to develop special adaptations? Mention some special adaptations developed by the parasites.
35. What are the adverse effects of tobacco?
36. Write a short note on common cold and its prophylaxis?
37. Why in adolescence is considered vulnerable phase?
38. 'Prevention is better than cure'. Justify with regard to TDA abuse.
39. Explain the pathogenicity of Wuchereria bancrofti in man.
40. Distinguish between addiction and dependence.
41. Write a short note on pneumonia and its prophylaxis?

Chapter 7:

42. Draw a neat labelled diagram of the mouth parts of cockroach?
43. Draw a neat labelled diagram of the salivary apparatus of cockroach.
44. Draw a neat labelled diagram of ommatidium

Chapter 8:

45. How do marine animals adapt to hypertonic sea water?
46. Describe greenhouse effect?
47. Describe the various types of adaptations in fresh water animals?
48. What is summer stratification? Explain?
49. Discuss the causes and effects of global warming. What measures need to be taken to control global warming?
50. Distinguish between Euryhaline and Stenohaline animals?
51. Define ecological Pyramids and describe with examples, pyramids of numbers and biomass?
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1ST ZOOLOGY MOST IMPORTANT 2 MARKS QUESTIONS

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VERY SHORT ANSWER QUESTIONS:

1. What is meant by Tautonymy? Give two examples.
2. What is cephalization? What are its uses? How is it useful for predators?
3. Mention any two substances secreted by mast cells.
4. What is a hyperparasite? Mention the name of one hyperparasite.
5. Distinguish between holocrine and apocrine glands.
6. What is a sesamoid bone? Give an example.
7. What are claspers? Which group possesses them?
8. Define neoplasia. Give one example.
9. What is the uniqueness of the first two pairs of cephalic appendages of a crustacean compared to those of other extant arthropods?
10. Define osteon.
11. Distinguish between altricial and precocial hatchlings.
12. What is protostomia and Deuterostomia?
13. The eggs of Ascaris are called mammillated eggs. Justify.
14. What are circadian rhythms?
15. Mention the animals that exhibit tube-within-a-tube organization for the first time in their body cavity.
16. What is botryoidal tissue?

17. Cardiac muscle is highly resistant to fatigue. Justify.
18. What is Aristotle's lantern?
19. Embryology and Ethnology.
20. How do you distinguish a male frog from a female frog?
21. Distinguish between exocrine and endocrine glands with examples.
22. Distinguish between Proter and opisthe.
23. Distinguish between synchronous and metachronous movements.
24. What is BOD?
25. What are haemozoin granules? What is their significance?
26. What does ICZN stand for?
27. Distinguish between a tendon and a ligament.
28. Distinguish between milt and spawn.
29. How do you justify the statement "Heart in fishes is a branchial heart"?
30. Define species richness.
31. What is biogenesis?
32. Mention any two products of medicinal importance obtained from nature.
33. From which substances are smack and coke obtained?
34. Define drug abuse.
35. Mention the advantages of some UV rays.
36. Name two poisonous and two non-poisonous snakes found in South India.
37. Name the four extra-embryonic membranes.
38. What do you mean by parasitic castration? Give one example.
39. List any two differences between a flagellum and a cilium.
40. Distinguish between lobopodium and filopodium. Give one example of each.

41. Write the full form of IUCN. In which book are threatened species enlisted?
42. What are dynein arms? Write their significance.
43. What are the respiratory structures of Limulus and Palaemon respectively?
44. Distinguish between osteoblast and osteoclast.
45. What are retroperitoneal organs?
46. Name the type of caudal fins and scales present in shark and catla respectively.
47. Distinguish between phototaxis and photokinesis.
48. What are microglia? What is their origin? Add a note on their function.
49. Differentiate between protostomia and deuterostomia.
50. Which arthropod is called a living fossil? Name its respiratory organs.
51. Write four salient features of cyclostomes.
52. What is an ecosystem?
53. What are the functions of the canal system of sponges?
54. What are trichomes? Write their function.
55. What is storage excretion?
56. Why is the head in cockroach called hypognathous?
57. Define conjugation with reference to ciliates. Give two examples.
58. What is meant by nocturnal periodicity with reference to the life history of a nematode parasite you have studied?
59. Why do we refer to the offspring formed by asexual reproduction as a clone?
60. What is Trinomial nomenclature? Give one example.
61. What is mutualism? Give an example.
62. Distinguish between white matter and grey matter of CNS.
63. Why is the true coelom considered a secondary body cavity?
64. What is the strongest cartilage? In which regions of the human body is it found?
65. How does the heart of an amphibian differ from that of a reptile?
66. A person suffering from bowel irregularity, abdominal pain, blood and mucus in stool—based on these symptoms name the disease and its causative agent.
67. What is the essential difference between the larval and adult symmetry of echinoderms?