

CHAPTER 7: STRUCTURAL ORGANISATION IN ANIMALS

ONE MARK QUESTIONS:

1. What is a tissue? (K)
2. What is epithelial tissue? (K)
3. What is the function of compound epithelium? (K)
4. What is glandular epithelium? (K)
5. What are exocrine glands? (K)
6. What are endocrine glands? (K)
7. What are cell junctions? (K)
8. Write the function of Tight junction. (K)
9. Write the function of Adhering junction. (K)
10. Write the function of Gap junction. (K)
11. Why connective tissues are called so? (U)
12. Name the structural proteins found in connective tissue. (K)
13. Where do you find adipose tissue? (K)
14. Name the cells of cartilage. (K)
15. Name the cells of Bone. (K)
16. What are ligaments? (K)
17. What are tendons? (K)
18. What is the function of a myofibril? (K)
19. In which muscle tissue intercalated discs are present? (K)
20. Name the excitable cells of neural system. (K)
21. Write the function of neuroglial cells. (K)
22. Why organ system (level of organisation) is essential for multicellular organism? (U)
23. What is haemocoel? (K)
24. What is haemolymph? (K)
25. What is clitellum? (K)
26. What is the function of calciferous glands? (K)
27. What is Typhlosole? (K)
28. What is the significance of typhlosole? (U)
29. Name the excretory organs of Earthworm. (K)
30. How does an earthworm respire? (U)
31. Name the locomotory structure in earthworm. (K)
32. What is the function of spermathecae? (K)
33. Where does fertilization and development occur in earthworm? (K)
34. What is the function of clitellum? (K)
35. Development of earthworm is direct. Why? (U)
36. What is vermicomposting? (K)
37. What is the use of earthworm in fishing? (K)
38. Write the scientific name of Cockroach. (K)
39. Write the common name of *Periplaneta americana*. (K)
40. What are sclerites? (K)
41. What is tegmina? (K)
42. What is arthroidal membrane? (K)
43. What is the function of antennae in Cockroach? (K)
44. What is mosaic vision? (K)

45. Write the function of forewings of Cockroach. (K)
46. Write the function of hindwings of Cockroach. (K)
47. What are spiracles? (K)
48. Name the tubules of cockroach's alimentary canal that secretes digestive enzymes. (K)
49. Name the respiratory organs of Cockroach. (K)
50. Name the excretory organ of cockroach. (K)
51. Why is Cockroach uricotelic? (U)
52. What are ommatidia? (K)
53. What are oothecae? (K)
54. Development of Cockroach is paurometabolous. What does it mean? (U)
55. How many pairs of spiracles are found in Cockroach? (K)
56. Write the function of prostomium of *Pheretima*. (K)
57. Name the first segment of Earthworm. (K)
58. What is mimicry? (K)
59. Frogs are ureotelic. Why? (U)
60. How many pairs of cranial nerves are found in frog? (K)
61. Name the process of development of tadpole of frog into adult. (K)
62. What is aestivation in animals? (K)
63. What is hibernation? (K)
64. How does respiration take place during aestivation and hibernation? (U)

TWO MARKS QUESTIONS:

65. Name four basic types of animal tissues. (K)
66. Classify the glandular epithelium based on the mode of releasing secretory products? (U)
67. Name the types of glandular epithelium? (K)
68. Draw a neat labelled diagram of cardiac muscle. (S)
69. Draw a neat labelled diagram of skeletal muscle. (S)
70. Draw a neat labelled diagram of Adipose tissue. (S)
71. Differentiate between dense and loose connective tissue. (U)
72. Differentiate between bone and cartilage. (U)
73. Mention the types of specialised connective tissue. (K)
74. Name the two common earthworms of India. (K)
75. Give two reasons why Earthworms are known as 'friends of farmers'. (U)
76. What are tergites and sternites? (K)
77. List the different excretory structures in Cockroach. (K)
78. Write a note on the proventriculus of Cockroach. (U)
79. Why cockroaches are considered as serious pests? (U)
80. Write two distinct characters of male frogs. (K)
81. Name the types of respiration in frog. (K)
82. List the different sense organs present in frog. (K)
83. Differentiate between male & female cockroach.(U)

THREE MARKS QUESTIONS:

84. Write the general characters of Epithelial tissue. (U)
85. Mention the types of epithelial tissue. (K)
86. Classify simple epithelium based on structural modification of cells. (U)
87. Name the three types of simple epithelium with one function of each. (K)

88. Write a note on compound epithelium. (U)
89. Explain three types of cell junctions. (U)
90. List the functions of collagen/elastin fibres. (K)
91. Classify connective tissue. (U)
92. Draw a neat labelled diagram of areolar connective tissue. (S)
93. What are the general characters of muscle tissue?
94. What are the three types of Muscle tissue and mention their location in human body. (U)
95. Differentiate Skeletal muscle from smooth muscle (U)
96. Write any three differences between skeletal muscle and cardiac muscle. (U)
97. Distinguish smooth muscle from cardiac muscle. (U)
98. Name the three types of nephridia of earthworm. (K)
99. List the cellular components of blood. (K)
100. Write a short note on Sensory system of Earthworm. (U)
101. Name the three segments of thorax of Cockroach. (K)
102. Why Cockroach has mosaic vision? Explain. (U)
103. Write a note on Endocrine system of Frog. (U)
104. Briefly explain the Neural system/Nervous system of Frog. (U)
105. Briefly explain sensory system of Frog. (U)
106. Write three benefits of frogs. (K)

FIVE MARKS QUESTIONS:

107. Give an account of general features and types of connective tissue. (U)
108. Explain the morphology of Earthworm. (U)
109. Explain the digestive system of Earthworm. (U)
110. Briefly explain the process of digestion in Earthworm. (U)
111. Explain the circulatory system of earthworm with a neat labelled diagram. (U)
112. Briefly explain circulation in Earthworm. (U)
113. Draw a neat labelled diagram of reproductive system of Earthworm. (S)
114. Explain reproduction in Earthworm. (U)
115. Draw a neat labeled diagram of Cockroach showing its external features. (S)
116. Draw a neat labelled diagram of digestive system of cockroach. (S)
117. Explain digestion in Cockroach. (U)
118. Write a neat labelled diagram of male reproductive system of Cockroach. (S)
119. Write a neat labelled diagram of female reproductive system of Cockroach. (S)
120. Enumerate morphological features of Frog. (U)
121. Draw a neat labelled diagram of digestive system of Frog. (S)
122. Explain the process of digestion in Frog. (U)
123. Explain circulation/vascular system in Frog. (U)
124. Describe the process of excretion in Frog. (U)
125. Explain the nervous of system of Frog. (U)
126. Briefly explain endocrine system and sensory system in frog (U)
127. Draw a neat labelled diagram of male reproductive system of frog. (S)
128. Draw a neat labelled diagram of female reproductive system of frog. (S)