

Department of Zoology

Question Bank

Semester 3-Complementary Functional Zoology

One mark question

1. Atherosclerosis
2. Gigantism
3. Lymphocytes
4. ECG
5. Sickle cell anaemia
6. Alkaptonuria
7. AIDS
8. Neurogenic heart
9. Asphyxia
10. Heterotrophy
11. Saprozoic nutrition
12. Kwashiorker
13. Blood pressure
14. Proteinuria
15. EEG
16. Oxygen debt
17. Two neurohormones
18. Exophthalmic goitre
19. Hypersensitivity
20. Scurvy
21. Reverse Bohr effect
22. Haemocyanin
23. GFR
24. Latent period
25. Function of prolactin

Two mark question

26. Give a brief writeup on dietary fibers
27. Write a note on refractory period
28. Briefly explain Hering Bruer reflex
29. Write on Pyelonephritis
30. What is counter current mechanism
31. What is hypoxia? What are different types?
32. Give note on chemical synapse
33. What is Bohr effect?
34. Define calorific value
35. What is refractory period?
36. Give a brief writeup on dietary fibers
37. Describe resting potential
38. Tetanus
39. Goitre
40. Give note on action potential
41. Cretinism
42. Fatigue
43. Bone marrow
44. Antigens
45. Uremia
46. Vaccination
47. Heartbeat
48. Summation
49. Anticoagulants
50. What is the function of progesterone?

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Four mark question

51. Comment on fat soluble vitamins and mention a deficiency disease attributed to each one
52. Give the classification of food components
53. Explain the hormonal control of respiration in man
54. Comment on carbon monoxide poisoning
55. Explain the peculiarities of cardiac muscle
56. Describe the properties of synapses
57. What are parathyroid gland?
58. Briefly describe ant four hormonal disorders
59. Comment on various organs of immune system
60. Briefly mention the malnutrition disorders
61. Explain the transport of carbon dioxide with illustration
62. Describe the composition of blood
63. Differentiate between diabetes insipidus and diabetes mellitus
64. Describe Acromegaly
65. Explain the physiological effect of smoking
66. Differentiate between Myocardial infarction and hypertension
67. Describe saltatory transmissions
68. Describe urine formation
69. Describe between Acidosis and alkalosis
70. Differentiate between Angiogram and Angioplasty
71. Give notes on Haemophilia
72. Explain Hypersensitivity and Allergy
73. Describe respiratory pigments
74. Explain the transport of oxygen with illustration
75. Explain the mechanism of muscle contraction

Essaay question (15 marks)

76. Write an essay on different types of syndromes
77. Describe the disorders of blood clotting
78. Write an essay on counter current mechanism
79. Explain multiple alleles with reference to ABO system and its inheritance
80. Draw a neat sketch of Nervous system
81. Write illustrations, describe structure and function of immunoglobins
82. Give an account on the ultrastructure of striated muscle fibre and muscle contraction
83. Define nephron. Explain the process of urine formation
84. What is Haemophilia? Describe various stages of coagulation
85. Write an essay on different types of immunity
86. Explain counter current mechanism in urine formation
87. Write an essay on fat soluble vitamins
88. Write an essay on hormonal disorders
89. Describe the structure of haemoglobin and explain the mechanism of transport of O₂ and CO₂
90. What is immunisation? Explain active and passive immunization and add a note on vaccination
91. Describe the mechanism of impulse transmission
92. Explain in detail the energetics of muscle contraction
93. Give an account on the endocrine glands in human body and mention the functions of hormones produced by each
94. Classify animals based on their excretory wastes. Add a detailed account on the formation of urine
95. Explain Dialysis and describe the mechanism
96. Explain different type of excretion found in animals
97. Describe the intrinsic pathway of blood clotting
98. With the aid of a diagram explain the structure of a typical neuron and discuss the mechanism of impulse transmission
99. Write an essay on physiology of blood coagulation
100. Describe hormonal and cell mediated immunity