



12th Std

ZOOLOGY

(3 Marks Questions)

1. Define ketones and mention their compositions.
2. Classify different types of monosaccharides.
3. What are polysaccharides? Give examples.
4. List out the essential amino acids?
5. What is kwashiorkor? Mention its symptoms.
6. What is Marasmus? Mention its symptoms.
7. State the function of Lipids.
8. What is PUFA? Mention its significance.
9. Name different types of vitamins.
10. Expand IRM and IRW and their characteristic features.
11. What are the role of water in Human Physiology?
12. Define BMI.
13. Write down difference of hypoglycemia and hyperglycemia.
14. Name the treatment of tooth decay.
15. What is meant by hepatitis?
16. What is the composition of a gall stone?
17. What is Hernia?
18. Why ATP is called as energy currency of the cell?
19. Define plasmolysis.
20. What is Herring Brewer Reflex?
21. Name the microbes that cause pneumonia.
22. What is pulse rate?
23. Define Mitral valve.
24. Mention the reason for doing an angiogram.
25. What is coronary angioplasty?
26. Define CAD.
27. What is cardiac cycle?
28. Define ICCU.
29. Define RHD.
30. Write down the importance of cardio pulmonary resuscitation.
31. Differentiate embolus from thrombus?
32. What is corpus albicans?
33. Define blood pressure.
34. Define stroke.
35. What is REM sleep?
36. Define medulla oblongata and its functions.
37. Define microbiology.



38. Classify different types of malaria.
39. What is amoebiasis?
40. Differentiate Antigen and Antibodies.
41. Define zoonoses.
42. Enumerate the methods of diagnosis of AIDS.
43. What is Alzheimer's disease?
44. Define meningitis.
45. List out the reflex action.
46. What is cerebro spinal fluid.
47. Write a note on Oxytocin/Vasopressin/Progesterone/Relaxin.
48. Write short note on cretinism/myxedema.
49. Define Grave's disease.
50. What is Lysosome?
51. Define Melanin.
52. Write short note on Nephron?
53. Write short note on Calculus?
54. Define pasteurization.
55. What are Immuno Suppressants drugs?
56. List out functions of antibodies.
57. Define Pasteurization.
58. What is Hepatitis-B?
59. Define ELISA.
60. Explain MALT/GALT/BALT.
61. What are chromosomes?
62. Define Karyotyping and its uses.
63. What is pedigree analysis?
64. What are cloning vectors?
65. What is differentiation?
66. What is gene therapy and its types?
67. Define Ecology.
68. What is Biodiversity?
69. Write the characteristics of a bioserve.
70. List out the names of bioserves of India.
71. Define Cloud Seeding.
72. Define Proteinomics.
73. What are green house gases?
74. Define green house effect.
75. Define incineration.
76. Define Bio-remediation.
77. Define MAB.
78. What are the uses of sphygmomanometer?
79. Define the term Haemocytometer.



80. Mention the uses of pacemaker.
81. Define CT or CAT.
82. What is auto analyzer?
83. Define Pisciculture/Apiculture/Sericulture.
84. Define Stethoscope.
85. Mention bacterial disease of cattle.
86. What is artificial insemination?
87. Define germ plasm theory.
88. What is meant by "Survival of the fittest"?
89. What is a species?
90. What is meant by chromosomal aberration?
91. Define Arthritis/Rickets/Osteomalacia.

(8 Marks Questions)

1. What are proteins? And explain its deficiency diseases.
2. What are the factors responsible for obesity?
3. Name different types of vitamins.
4. Mention the reasons for liver cirrhosis.
5. Name the causes and measures of noise pollution.
6. What is done during echo cardiography?
7. Classify the types of blood and their functions.
8. Define how the blood is coagulated.
9. What is menstrual cycle?
10. How the technique of Invitro fertilization does adopted & GIFT?
11. Write down the constituents of plasma.
i) Albumin ii) Globulin iii) Fibrinogen iv) Bilirubin
12. Differentiate diabetes mellitus and Diabetes Insipidus.
13. Mention Bacterial Diseased in man.
14. Mention fungal diseases in man.
15. Mention viral diseases in man.
16. Mention sexual diseases in man.
17. Write the symptoms of AIDS and its Tests. Control and its Preventions.
18. Give an account of genetic diseases.
i) albinism, ii) SCID, iii) Huntington iv) Sickle cell anemia
v) Thalessemia
19. List out the effect of global warming.
20. Write short notes on HGP.
21. Write short notes on Cloning.
22. Write short notes on protein model & Structure.
23. Write about ozone depletion.
24. What is gene therapy? Name the types.



25. What the gene Types of Birth Control Techniques.
26. Classification of Blood types.
27. How does conservation of fresh water?
28. Brief an account of i) Apiculture ii) Poultry iii) Pisciculture
iv) Sericulture

(15 Marks Questions)

1. Describe the various functions of human male reproductive system.
2. Describe the various functions of female reproductive system
3. Write an essay an composition of blood.
4. Brief account on ornithine cycle.
5. Describe the various hormones associated with endocrine system.
6. Write an essay about. Circulatory system.
7. Why pituitary gland as master of all glands.
8. Why adrenal gland called as fight, flight and fight hormone.
9. Brief of Thyroid gland and its disorders.
10. Explain briefly
i) Diabetes Mellitus ii) Diabetes Insipidus
11. Give an account of human diseases and its prevention.
12. Write an essay on bioinformatics.
13. Write an essay on DNA recombinant Technology.
14. Illustrate cloning mechanisms and its ethical issues.
15. Write an essay on green house gases and their impact on environments.



29.

SHANKAR IAS ACADEMY