

Class 11 Biology

Mock Test

Very Short Questions (1 mark each)

1. What is the chemical name of vitamin C?
2. Define osmosis.
3. Name the enzyme present in saliva.
4. What is the function of bile in digestion?
5. Give an example of a biodegradable substance.
6. Define species richness.
7. Name the smallest bone in the human body.
8. What is the full form of DNA?
9. Differentiate between mitosis and meiosis.
10. State Dalton's law of partial pressures.
11. Name the largest artery in the human body.
12. What is the function of nephrons in the kidney?
13. Define pollination.
14. What is the role of auxins in plants?
15. Name the hormone responsible for the fight-or-flight response.
16. Differentiate between aerobic and anaerobic respiration.
17. Define biodiversity.
18. Name the process by which green plants make their own food.
19. What is Mendel's law of segregation?
20. Define transpiration.

Short Answer Questions (2 marks each)

21. Explain the process of photosynthesis in plants.
22. Describe the structure and function of mitochondria.
23. Discuss the role of enzymes in biological reactions.
24. Explain Darwin's theory of evolution by natural selection.

25. Describe the structure of a typical animal cell.
26. Discuss the functions of the human nervous system.
27. Explain the steps involved in DNA replication.
28. Discuss the importance of biodiversity conservation.
29. Describe the structure of a nephron in the kidney.
30. Explain the difference between arteries and veins.
31. Discuss the process of digestion in humans.
32. Describe the role of hormones in human reproduction.
33. Explain the process of nitrogen cycle in ecosystems.
34. Discuss the significance of meiosis in sexual reproduction.
35. Describe the stages of cell division in mitosis.
36. Explain the role of biotechnology in medicine.
37. Discuss the concept of ecological succession.
38. Explain the process of gene expression.
39. Describe the structure of a typical leaf.
40. Discuss the role of water in plants.

Long Answer Questions (4 marks each)

41. Discuss the structure and functions of the human respiratory system.
42. Explain the process of protein synthesis in cells.
43. Describe the mechanism of action potential in nerve cells.
44. Discuss the process of hormonal regulation in humans.
45. Explain the structure and functions of the human circulatory system.
46. Describe the impact of human activities on the environment.
47. Discuss the principles of Mendelian genetics.
48. Explain the mechanism of action of antibiotics.
49. Describe the process of excretion in humans.
50. Discuss the adaptations of desert plants and animals.
51. Explain the process of biogeochemical cycles.
52. Describe the structure and functions of the human ear.
53. Discuss the role of vitamins in human nutrition.
54. Explain the process of signal transduction in cells.

55. Describe the structure and functions of a chloroplast.
56. Discuss the impact of global warming on ecosystems.
57. Explain the process of enzyme action in biological systems.
58. Describe the structure and functions of the human eye.
59. Discuss the role of biodiversity in ecosystem stability.
60. Explain the process of DNA transcription and translation.