

CLASS XII SCIENCE SAMPLE PAPER – 1

Time: 3 Hours Maximum Marks: 70

Instructions: Attempt all questions. Draw labelled diagrams wherever required. No answers are to be written on the question paper.

Section A – MCQs (20×1)

1. Choose the correct answer from **Chemical Kinetics**.
2. Choose the correct answer from **d- and f-Block Elements**.
3. Choose the correct answer from **Coordination Compounds**.
4. Choose the correct answer from **Haloalkanes and Haloarenes**.
5. Choose the correct answer from **Alcohols, Phenols and Ethers**.
6. Choose the correct answer from **Aldehydes, Ketones and Carboxylic Acids**.
7. Choose the correct answer from **Amines**.
8. Choose the correct answer from **Biomolecules**.
9. Choose the correct answer from **Biotechnology**.
10. Choose the correct answer from **Reproduction**.
11. Choose the correct answer from **Genetics and Evolution**.
12. Choose the correct answer from **Biology and Human Welfare**.
13. Choose the correct answer from **Ecology**.
14. Choose the correct answer from **Electric Charges and Fields**.
15. Choose the correct answer from **Electrostatic Potential**.
16. Choose the correct answer from **Current Electricity**.
17. Choose the correct answer from **Moving Charges and Magnetism**.
18. Choose the correct answer from **Electromagnetic Induction**.
19. Choose the correct answer from **Alternating Current**.
20. Choose the correct answer from **Ray Optics**.

Section B – Very Short Answer (7×2)

21. Answer briefly from **Wave Optics**.
22. Answer briefly from **Atoms**.
23. Answer briefly from **Nuclei**.
24. Answer briefly from **Semiconductor Electronics**.
25. Answer briefly from **Solutions**.
26. Answer briefly from **Electrochemistry**.
27. Answer briefly from **Chemical Kinetics**.

Section C – Short Answer (7×3)

28. Explain **d- and f-Block Elements**.
29. Explain **Coordination Compounds**.

30. Explain **Haloalkanes and Haloarenes**.
31. Explain **Alcohols, Phenols and Ethers**.
32. Explain **Aldehydes, Ketones and Carboxylic Acids**.
33. Explain **Amines**.
34. Explain **Biomolecules**.

Section D – Long Answer (4×5)

35. Describe in detail **Biotechnology**.
36. Describe in detail **Reproduction**.
37. Describe in detail **Genetics and Evolution**.
38. Describe in detail **Biology and Human Welfare**.

Section E – Case Study / Assertion (3×5)

39. Read the case based on **Ecology** and answer the questions that follow.
40. Read the case based on **Electric Charges and Fields** and answer the questions that follow.
41. Read the case based on **Electrostatic Potential** and answer the questions that follow.

CLASS XII SCIENCE SAMPLE PAPER – 2

Time: 3 Hours Maximum Marks: 70

Instructions: Attempt all questions. Draw labelled diagrams wherever required. No answers are to be written on the question paper.

Section A – MCQs (20×1)

1. Choose the correct answer from **d- and f-Block Elements**.
2. Choose the correct answer from **Coordination Compounds**.
3. Choose the correct answer from **Haloalkanes and Haloarenes**.
4. Choose the correct answer from **Alcohols, Phenols and Ethers**.
5. Choose the correct answer from **Aldehydes, Ketones and Carboxylic Acids**.
6. Choose the correct answer from **Amines**.
7. Choose the correct answer from **Biomolecules**.
8. Choose the correct answer from **Biotechnology**.
9. Choose the correct answer from **Reproduction**.
10. Choose the correct answer from **Genetics and Evolution**.
11. Choose the correct answer from **Biology and Human Welfare**.
12. Choose the correct answer from **Ecology**.
13. Choose the correct answer from **Electric Charges and Fields**.
14. Choose the correct answer from **Electrostatic Potential**.
15. Choose the correct answer from **Current Electricity**.
16. Choose the correct answer from **Moving Charges and Magnetism**.
17. Choose the correct answer from **Electromagnetic Induction**.

18. Choose the correct answer from **Alternating Current**.
19. Choose the correct answer from **Ray Optics**.
20. Choose the correct answer from **Wave Optics**.

Section B – Very Short Answer (7×2)

21. Answer briefly from **Atoms**.
22. Answer briefly from **Nuclei**.
23. Answer briefly from **Semiconductor Electronics**.
24. Answer briefly from **Solutions**.
25. Answer briefly from **Electrochemistry**.
26. Answer briefly from **Chemical Kinetics**.
27. Answer briefly from **d- and f-Block Elements**.

Section C – Short Answer (7×3)

28. Explain **Coordination Compounds**.
29. Explain **Haloalkanes and Haloarenes**.
30. Explain **Alcohols, Phenols and Ethers**.
31. Explain **Aldehydes, Ketones and Carboxylic Acids**.
32. Explain **Amines**.
33. Explain **Biomolecules**.
34. Explain **Biotechnology**.

Section D – Long Answer (4×5)

35. Describe in detail **Reproduction**.
36. Describe in detail **Genetics and Evolution**.
37. Describe in detail **Biology and Human Welfare**.
38. Describe in detail **Ecology**.

Section E – Case Study / Assertion (3×5)

39. Read the case based on **Electric Charges and Fields** and answer the questions that follow.
40. Read the case based on **Electrostatic Potential** and answer the questions that follow.
41. Read the case based on **Current Electricity** and answer the questions that follow.