

CLASS XI SCIENCE SAMPLE PAPER – 1

Time: 3 Hours Maximum Marks: 70

Instructions: Attempt all questions. Draw neat labelled diagrams wherever necessary. No answers are to be written.

Section A – MCQs (20×1)

1. Choose the correct answer based on **Classification of Elements**.
2. Choose the correct answer based on **Chemical Bonding**.
3. Choose the correct answer based on **States of Matter**.
4. Choose the correct answer based on **Thermodynamics**.
5. Choose the correct answer based on **Equilibrium**.
6. Choose the correct answer based on **Redox Reactions**.
7. Choose the correct answer based on **Organic Chemistry**.
8. Choose the correct answer based on **Cell**.
9. Choose the correct answer based on **Plant Kingdom**.
10. Choose the correct answer based on **Animal Kingdom**.
11. Choose the correct answer based on **Morphology of Flowering Plants**.
12. Choose the correct answer based on **Structural Organisation in Animals**.
13. Choose the correct answer based on **Cell Cycle**.
14. Choose the correct answer based on **Biomolecules**.
15. Choose the correct answer based on **Photosynthesis**.
16. Choose the correct answer based on **Respiration in Plants**.
17. Choose the correct answer based on **Locomotion and Movement**.
18. Choose the correct answer based on **Motion in a Straight Line**.
19. Choose the correct answer based on **Laws of Motion**.
20. Choose the correct answer based on **Work, Energy and Power**.

Section B – Very Short Answer (7×2)

21. Answer briefly from **Gravitation**.
22. Answer briefly from **Mechanical Properties of Solids**.
23. Answer briefly from **Thermal Properties of Matter**.
24. Answer briefly from **Some Basic Concepts of Chemistry**.
25. Answer briefly from **Structure of Atom**.
26. Answer briefly from **Classification of Elements**.
27. Answer briefly from **Chemical Bonding**.

Section C – Short Answer (7×3)

28. Explain **States of Matter**.
29. Explain **Thermodynamics**.

30. Explain **Equilibrium**.
31. Explain **Redox Reactions**.
32. Explain **Organic Chemistry**.
33. Explain **Cell**.
34. Explain **Plant Kingdom**.

Section D – Long Answer (4×5)

35. Describe in detail **Animal Kingdom**.
36. Describe in detail **Morphology of Flowering Plants**.
37. Describe in detail **Structural Organisation in Animals**.
38. Describe in detail **Cell Cycle**.

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

39. Read the case based on **Biomolecules** and answer the questions that follow.
40. Read the case based on **Photosynthesis** and answer the questions that follow.
41. Read the case based on **Respiration in Plants** and answer the questions that follow.

CLASS XI SCIENCE SAMPLE PAPER – 2

Time: 3 Hours Maximum Marks: 70

Instructions: Attempt all questions. Draw neat labelled diagrams wherever necessary. No answers are to be written.

Section A – MCQs (20×1)

1. Choose the correct answer based on **Chemical Bonding**.
2. Choose the correct answer based on **States of Matter**.
3. Choose the correct answer based on **Thermodynamics**.
4. Choose the correct answer based on **Equilibrium**.
5. Choose the correct answer based on **Redox Reactions**.
6. Choose the correct answer based on **Organic Chemistry**.
7. Choose the correct answer based on **Cell**.
8. Choose the correct answer based on **Plant Kingdom**.
9. Choose the correct answer based on **Animal Kingdom**.
10. Choose the correct answer based on **Morphology of Flowering Plants**.
11. Choose the correct answer based on **Structural Organisation in Animals**.
12. Choose the correct answer based on **Cell Cycle**.
13. Choose the correct answer based on **Biomolecules**.
14. Choose the correct answer based on **Photosynthesis**.
15. Choose the correct answer based on **Respiration in Plants**.
16. Choose the correct answer based on **Locomotion and Movement**.
17. Choose the correct answer based on **Motion in a Straight Line**.

18. Choose the correct answer based on **Laws of Motion**.
19. Choose the correct answer based on **Work, Energy and Power**.
20. Choose the correct answer based on **Gravitation**.

Section B – Very Short Answer (7×2)

21. Answer briefly from **Mechanical Properties of Solids**.
22. Answer briefly from **Thermal Properties of Matter**.
23. Answer briefly from **Some Basic Concepts of Chemistry**.
24. Answer briefly from **Structure of Atom**.
25. Answer briefly from **Classification of Elements**.
26. Answer briefly from **Chemical Bonding**.
27. Answer briefly from **States of Matter**.

Section C – Short Answer (7×3)

28. Explain **Thermodynamics**.
29. Explain **Equilibrium**.
30. Explain **Redox Reactions**.
31. Explain **Organic Chemistry**.
32. Explain **Cell**.
33. Explain **Plant Kingdom**.
34. Explain **Animal Kingdom**.

Section D – Long Answer (4×5)

35. Describe in detail **Morphology of Flowering Plants**.
36. Describe in detail **Structural Organisation in Animals**.
37. Describe in detail **Cell Cycle**.
38. Describe in detail **Biomolecules**.

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

39. Read the case based on **Photosynthesis** and answer the questions that follow.
40. Read the case based on **Respiration in Plants** and answer the questions that follow.
41. Read the case based on **Locomotion and Movement** and answer the questions that follow.