Past Paper Questions

Chapter 1 — Nature of Science in Chemistry

Paper	Source
Paper 1 — Model Paper 2025	FBISE Model Paper · Curriculum 2022-23 · Inclusive Scheme of Studies 2024
Paper 2 — 2025, 1st Exam Paper 1	Footer codes 1SA-I 25005 (B) and (D) · Standard
Paper 3 — 2025, 1st Exam Paper 2	Footer code 1SA-I 25005 (D) · Standard
Paper 4 — 2025, 2nd Exam	Footer code 1SA-II 25005 · Standard · stamped 10/02/2026
Paper 5 — Model Paper 2026 (50% MCQs)	FBISE Model Paper · 60 MCQs (0.5 mark each) + 30 marks descriptive
Paper 6 — 2026 (D)	Footer code 1SA-I 26005 (D) · Inclusive 2024
Paper 7 — 2026 (M)	Footer code 1SA-I 26005 (M) · Inclusive 2024
Paper 8 — 2026 (B)	Footer code 1SA-I 26005 (B) · Inclusive 2024

Marks shown in teal brackets. “(OR)” marks the alternative question in a choice pair. Questions are given without answers. No Chapter 1 question was found in the old-curriculum (2006) paper or in any Section C (long) question of these papers.

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Paper 1 — Model Paper 2025

FBISE Model Paper · Curriculum 2022-23
Inclusive Scheme of Studies 2024

Section A — MCQ

Q1(i). Suggest the primary focus of organic chemistry?

A) The behavior of inorganic salts B) The study of carbon-based molecules and their reactions C) The study of metals and alloys D) The properties of gases and their interactions

Section B — Short Questions (Q2)

(x) (OR) Define the following branches of chemistry: a. Astrochemistry b. Geochemistry c. Physical chemistry. **[1+1+1]**

Section C — Long Questions

No Chapter 1 question.

Paper 2 — 2025, 1st Exam Paper 1

Footer codes 1SA-I 25005 (B) and (D) · Standard

Section A — MCQ

Q1 (Version B). Measuring the concentration of a particular solution through titration is related with:

A) Astrochemistry B) Analytical Chemistry C) Geochemistry D) Organic Chemistry

Q1 (Version D). Chemical composition of earth, rocks and minerals are studied in:

A) Physical Chemistry B) Organic Chemistry C) Nuclear Chemistry D) Geo Chemistry

Section B — Short Questions (Q2)

(xi) (OR) (Version B) Briefly describe the following: a) Analytical chemistry b) Medicinal chemistry c) Inorganic chemistry. **[3]**

Section C — Long Questions

No Chapter 1 question.

Paper 3 — 2025, 1st Exam Paper 2

Footer code 1SA-I 25005 (D) · Standard

Section A — MCQ

No Chapter 1 question.

Section B — Short Questions (Q2)

(iv) (OR) Briefly describe the following: a) Nuclear chemistry b) Environmental chemistry c) Astro chemistry. **[3]**

Section C — Long Questions

No Chapter 1 question.

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Paper 4 — 2025, 2nd Exam

Footer code 1SA-II 25005 · Standard stamped 10/02/2026

Section A — MCQ

Q1. Study of chemical changes that occur in living organisms is done in:

A) Biochemistry B) Analytical Chemistry C) Physical Chemistry D) Inorganic Chemistry

Section B — Short Questions (Q2)

(xi) (OR) Differentiate between ‘Organic chemistry’ and ‘Inorganic chemistry’. **[3]**

Section C — Long Questions

No Chapter 1 question.

Paper 5 — Model Paper 2026 (50% MCQs)

FBISE Model Paper · Inclusive Scheme of Studies National Curriculum 2022-23

MCQs (0.5 mark each) — Scenario Based

Scenario (Q41–44): A research centre has different laboratories. In one lab, scientists study how enzymes work in the human body. In another lab, researchers develop new medicines to treat diseases. In a third lab, radioactive isotopes are used to treat cancer patients.

Q41. Scientists studying how enzymes function in the human body are working in which field?

A) Organic Chemistry B) Biochemistry C) Analytical Chemistry D) Geochemistry

Q42. The development of new medicines to treat diseases belongs to:

A) Environmental Chemistry B) Organic Chemistry C) Polymer Chemistry D) Physical Chemistry

Q43. The use of radioactive isotopes in cancer treatment is related to:

A) Nuclear Chemistry B) Inorganic Chemistry C) Astrochemistry D) Analytical Chemistry

Q44. Which of the following best explains why different laboratories are needed in the research center?

A) Each laboratory is designed exclusively to handle a specific state of matter (solids, liquids, or gases).
B) Different branches of chemistry focus on different types of problems and applications
C) Separate laboratories prevent different chemical elements from contaminating each other’s equipment
D) Laboratories are separated randomly without any purpose

Section B — Short Questions

Q6 (OR) Define Chemistry. How different states of matter (solids, liquids, gases, and plasma) are involved in chemical interactions. **[1+2]**

Only “Define Chemistry” is from Chapter 1; the states-of-matter part belongs to Chapter 2.

Section C — Long Questions

No Chapter 1 question.

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Paper 6 — 2026 (D)

Footer code 1SA-I 26005 (D) · Inclusive 2024

Section A — MCQ

No Chapter 1 question.

Section B — Short Questions (Q2)

(i) Identify the branch of chemistry that deals with given statements:

a. According to Boyle's law when pressure on a gas is applied its volume reduces.
b. Industries produce SO_2 which cause acid rain.
c. Our hair has a protein called Keratin which is essential for hair growth. **[1+1+1]**

Section C — Long Questions

No Chapter 1 question.

Paper 7 — 2026 (M)

Footer code 1SA-I 26005 (M) · Inclusive 2024

Section A — MCQ

No Chapter 1 question.

Section B — Short Questions (Q2)

(i) Identify the branch of chemistry that deals with statements:

a. Temperature of the earth is increasing gradually due to increase in concentration of CO_2.
b. Contact process is used to manufacture sulphuric acid on large scale.
c. When a gas is cooled to −273°C it liquefies. **[1+1+1]**

Section C — Long Questions

No Chapter 1 question.

Paper 8 — 2026 (B)

Footer code 1SA-I 26005 (B) · Inclusive 2024

Section A — MCQ

Q1. Chemistry mainly deals with the study of:

A) Living organisms B) Matter and its interactions C) Planets and stars D) Historical events

Section B — Short Questions (Q2)

(i) Identify the branch of Chemistry involved in the given statements:

a. Large scale production of NH_3 by Haber's process.
b. Breakdown of glucose gives energy to our body.
c. Use of chlorofluoro carbons (CFCs) in refrigerator linked to depletion of ozone layer. **[1+1+1]**

Section C — Long Questions

No Chapter 1 question.

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