Past Paper Questions

Class 9 Mathematics · Chapter 1 — Real Numbers

Paper	Source
2025, 1st Exam Paper 1	FBISE SSC-I · 2025 · Versions B and D · 1st Exam
2025, 1st Exam Paper 2	FBISE SSC-I · 2025 · Version D · 1st Exam (incl. Old Curriculum 2006 pages)
2025, 2nd Exam	FBISE SSC-I · 2025 · 2nd Exam
Model Paper 2026 (50% MCQs)	FBISE Model Paper · National Curriculum 2022-23 · Inclusive Scheme of Studies 2024 · 50% MCQs + 50% Descriptive
2026, Paper D	FBISE SSC-I · 2026 · Paper D
2026, Paper M	FBISE SSC-I · 2026 · Paper M
2026, Paper B	FBISE SSC-I · 2026 · Paper B

Chapter 1 questions taken from Federal Board SSC-I Mathematics papers (2025 and 2026), arranged paper by paper. Marks shown in teal brackets. “OR” marks the alternative question in a choice pair. Questions are given without answers. Total: 16 questions.

2025, 1st Exam Paper 1

Versions B and D

Section A — MCQ

Q1 (Version B). $\left(\frac{1}{4}\right)^{-\frac{1}{2}} =$

A) $\frac{1}{2}$ B) 2 C) $\sqrt{2}$ D) 16

Q1 (Version D). $\left(\frac{1}{9}\right)^{-\frac{3}{2}} =$

A) 27 B) $\frac{1}{27}$ C) ± 27 D) $\pm\frac{1}{27}$

Section B — Short Questions

Q2(i) (Version B). Simplify the expression:

$$\left[\left(2a^{\frac{1}{2}}b^{3}\right)^{4} \times (4a^{-2}b^{-6})^{-\frac{1}{2}}\right]^{\frac{1}{3}}$$ **[4]**

2025, 1st Exam Paper 2

Version D, Section B, and Old Curriculum 2006 pages

Section B — Short Questions

Q2(i) (Version D). Simplify the expression:

$$\left[\left(x^{2}y^{-3}z^{4}\right)^{5} \times \left(x^{-4}y^{7}z^{-2}\right)^{3}\right]^{\frac{1}{2}}$$ **[4]**

Old Curriculum 2006 pages

Q2(ii) OR (Short). Use the law of exponents to simplify:

$$\frac{2^{\frac{1}{3}} \times 27^{\frac{1}{3}} \times 60^{\frac{1}{2}}}{180^{\frac{1}{2}} \times 4^{-\frac{1}{3}} \times 9^{\frac{1}{4}}}$$ **[4]**

2025, 2nd Exam

Section A — MCQ

Q1. Which of the following is equal to $\left(x^{\frac{2}{3}}\right)^{9}$?

A) x^{8} B) x^{6} C) $x^{\frac{4}{9}}$ D) $x^{\frac{3}{2}}$

Section B — Short Questions

Q2(i). Simplify:

$$\frac{(2x^2)^{-4}}{(-4y^{-1}z^2)^{-2}}$$ **[4]**

Model Paper 2026 (50% MCQs)

National Curriculum 2022-23, 50% MCQs and 50% Descriptive

Section A — MCQ

Q1. The radical form of $2^{\frac{3}{4}} \times 27$ is:

A) $3 \times \sqrt[3]{2^4}$ B) $3^3 \times \sqrt[4]{2^3}$ C) $3^3 \times \sqrt[3]{2^4}$ D) $3^4 \times \sqrt[4]{2^4}$

Q3. The temperature in a freezer was $-\frac{9}{2}\,^\circ\text{C}$. It increased by $\frac{5}{2}\,^\circ\text{C}$. What is the new temperature?

A) $7\,^\circ\text{C}$ B) $2\,^\circ\text{C}$ C) $-2\,^\circ\text{C}$ D) $-7\,^\circ\text{C}$

Section B — Short Questions

Q1. Using the laws of exponents, simplify:

$$\left(\frac{2187 \times a^5 \times b^{17}}{a^{12} \times b^3}\right)^{\frac{1}{7}}$$ **[3]**

2026, Paper D

Section A — MCQ

Q1. $16^{\frac{1}{2}} =$

A) 2 B) 8 C) 4 D) 16

Section B — Short Questions

Q2(i). Simplify:

$$\sqrt[4]{\frac{a^3}{b^3}} \times \sqrt[4]{\frac{b^3}{c^3}} \times \sqrt[4]{\frac{c^3}{a^3}}$$ **[4]**

2026, Paper M

Section A — MCQ

Q1. $\left(\frac{1}{9}\right)^{-\frac{1}{2}}$ equals:

A) 3 B) 6 C) 9 D) 81

Section B — Short Questions

Q2(i). Simplify:

$$\sqrt{(216)^{\frac{2}{3}} \times \frac{(25)^{\frac{1}{2}}}{(0.04)^{-\frac{1}{2}}}}$$ **[4]**

2026, Paper B

Section A — MCQ

Q1. $\left(\frac{1}{16}\right)^{-\frac{3}{2}} =$

A) $\frac{1}{4}$ B) 4 C) 16 D) 64

Section B — Short Questions

Q2(i). Simplify the following expression using laws of indices:

a. $\frac{2^{\frac{2}{3}} \cdot 2^{\frac{1}{7}}}{2^{\frac{1}{2}}}$

b. $\frac{3^{-\frac{1}{2}} \cdot 3^{\frac{1}{2}}}{3^{\frac{1}{2}}}$ **[2+2]**