



KITH AND KIN INTERNATIONAL COLLEGE

7/11 Kaoli Olusanya Street, Owode Ibeshe, Ikorodu, Lagos State.

FIRST TERM EXAMINATION 2025/2026 ACADEMIC SESSION

NAME					
SUBJECT	MATHEMATICS	CLASS	JSS 2	DURATION	1 ½ HOURS

Instruction: Answer all questions

SECTION A: OBJECTIVES (25 marks)

- Which of the following is the place value of 7 in 3748?
A. Tens
B. Hundreds
C. Thousands
D. Units
- Simplify: $45 \div 9 \times 3 = ?$
A. 5
B. 12
C. 15
D. 27
- Which of the following is the correct standard form of 45,000?
A. 45×10^3
B. 4.5×10^3
C. 4.5×10^4
D. 0.45×10^5
- Express 0.00456 in standard form.
- The prime factors of 84 are:
A. $2 \times 2 \times 3 \times 7$
B. $2 \times 3 \times 14$
C. $3 \times 4 \times 7$
D. $2 \times 2 \times 2 \times 21$
- Express 720 in index form.
A. $2^3 \times 3^2 \times 5$
B. $2^4 \times 3^2 \times 5$
C. $2^3 \times 3^3 \times 5$
D. $2^2 \times 3^2 \times 5$
- The LCM of 12 and 18 is:
A. 24
B. 36
C. 48

- D. 72
8. The HCF of 48 and 60 is:
- A. 6
- B. 8
- C. 12
- D. 24
9. Find $\sqrt{225}$.
- A. 10
- B. 12
- C. 14
- D. 15
10. Which of the following is a perfect square?
- A. 20
- B. 24
- C. 25
- D. 28
11. Simplify $\frac{2}{3} + \frac{3}{4}$.
- A. $\frac{17}{12}$
- B. $\frac{5}{7}$
- C. $\frac{13}{12}$
- D. $\frac{1}{6}$
12. Express $\frac{18}{24}$ in its lowest form.
- A. $\frac{6}{8}$
- B. $\frac{3}{4}$
- C. $\frac{2}{3}$
- D. $\frac{1}{2}$
13. $2\frac{1}{2} \div \frac{1}{2} = ?$
- A. 4
- B. 5
- C. 6
- D. 7
14. Simplify $\frac{7}{8} - \frac{3}{16}$.
- A. $\frac{11}{16}$
- B. $\frac{13}{16}$
- C. $\frac{15}{16}$
- D. $\frac{17}{16}$
15. Round 4.678 to 2 decimal places.
- A. 4.6
- B. 4.67
- C. 4.68
- D. 4.7
16. Approximate 8,493 to the nearest thousand.
- A. 8,000
- B. 8,400
- C. 8,500
- D. 9,000

17. Round 735 to the nearest hundred.
- A. 700
B. 730
C. 740
D. 800
18. Round 0.049 to 2 decimal places.
- A. 0.0
B. 0.04
C. 0.05
D. 0.10
19. Simplify: $(-6) + 9$.
- A. -15
B. -3
C. 3
D. 15
20. Evaluate: $(-4) \times (-5)$.
- A. -20
B. 20
C. -9
D. 9
21. Simplify: $15 \div (-3)$.
- A. -45
B. 45
C. -5
D. 5
22. Simplify: $(-10) - (-6)$.
- A. -16
B. -4
C. 4
D. 16
23. Simplify: $3x + 5x$.
- A. 8
B. $8x$
C. $15x$
D. $35x$
24. If $x = 2$, find the value of $4x + 3$.
- A. 7
B. 8
C. 10
D. 11
25. Expand: $(x + 2)(x + 3)$.
- A. $x^2 + 6x + 5$
B. $x^2 + 3x + 6$
C. $x^2 + 5x + 6$
D. $x^2 + 2x + 3$
26. Simplify: $(2x + 3) - (x - 5)$.
- A. $x + 8$
B. $x - 2$

- C. $3x - 2$
- D. $x + 2$
27. Factorize: $x^2 + 5x + 6$.
- A. $(x + 2)(x + 3)$
- B. $(x + 1)(x + 6)$
- C. $(x - 2)(x - 3)$
- D. $(x - 1)(x - 6)$
28. Simplify: $4y - 2y + 7$.
- A. $2y + 7$
- B. $6y + 7$
- C. $2y - 7$
- D. $4y + 5$
29. Which of the following is a monomial?
- A. $3x^2 + 2x$
- B. $7xy$
- C. $x^2 - y$
- D. $2x + y$
30. The coefficient of x in $7x - 3y$ is:
- A. 7
- B. -3
- C. 10
- D. -7
31. Expand: $(x - 4)(x + 2)$.
- A. $x^2 - 2x - 8$
- B. $x^2 - 6x - 8$
- C. $x^2 - 2x + 8$
- D. $x^2 + 6x - 8$
32. If $y = -2$, find $3y^2 + 2y$.
- A. 8
- B. 10
- C. 12
- D. 14
33. Factorize: $x^2 - 9$.
- A. $(x + 9)(x - 9)$
- B. $(x + 3)(x - 3)$
- C. $(x - 1)(x - 9)$
- D. $(x - 3)(x + 9)$
34. Simplify: $5x - (2x - 7)$.
- A. $7x + 7$
- B. $3x + 7$
- C. $7x - 7$
- D. $3x - 7$
35. Expand: $(2x + 3)(x - 4)$.
- A. $2x^2 - 5x - 12$
- B. $2x^2 - 8x + 3x - 12$
- C. $2x^2 - 5x - 12$
- D. $2x^2 - 8x - 3x + 12$

36. The expression $x^2 + 2x + 1$ can be written as:
- A. $(x + 1)(x - 1)$
 - B. $(x + 1)(x + 1)$
 - C. $(x - 1)(x - 1)$
 - D. $(x + 2)(x - 1)$
37. Simplify: $6a + 2b - (3a - b)$.
- A. $3a + 3b$
 - B. $9a + b$
 - C. $3a + b$
 - D. $9a - b$
38. Factorize: $4x^2 - 12x$.
- A. $2x(2x - 6)$
 - B. $4(x^2 - 3x)$
 - C. $2x(2x - 3)$
 - D. $x(4x - 12)$
39. Expand: $(x + 5)(x - 5)$.
- A. $x^2 - 25$
 - B. $x^2 + 25$
 - C. $x^2 - 10x + 25$
 - D. $x^2 + 10x - 25$
40. Simplify: $8xy \div 2y$.
- A. $4x$
 - B. $4xy$
 - C. $2x$
 - D. x
41. Which of these is both a factor of 18 and a multiple of 6?
- A. 2
 - B. 3
 - C. 6
 - D. 9
42. Express 64 as a power of 2.
- A. 2^3
 - B. 2^4
 - C. 2^5
 - D. 2^6
43. Which of these is a negative integer?
- A. -7
 - B. 0
 - C. 5
 - D. 0.5
44. If $5x = 20$, then $x = ?$
- A. 2
 - B. 3
 - C. 4
 - D. 5
45. 12.35 rounded to 1 decimal place is:

- A. 12.3
B. 12.4
C. 12.5
D. 13.0
46. The square of -6 is:
A. -12
B. -36
C. 12
D. 36
47. Which of these is a binomial expression?
A. $3x^2$
B. $2x + 1$
C. $x^3 - y^2 + z$
D. $7xy$
48. Simplify: $(-2)(3)(-4)$.
- A. -24
B. -12
C. 12
D. 24
49. Which of these is not a prime number?
A. 2
B. 3
C. 9
D. 13
50. If $p = 2$ and $q = 3$, find the value of $pq + q^2$.
A. 11
B. 13
C. 15
D. 18



KITH AND KIN INTERNATIONAL COLLEGE

7/11 Kaoli Olusanya Street, Owode Ibeshe, Ikorodu, Lagos State.

FIRST TERM EXAMINATION 2025/2025 ACADEMIC SESSION

NAME					
SUBJECT	MATHEMATICS	CLASS	JSS 2	DURATION	1 hour

SECTION B: THEORY (35 marks)

Answer four questions, number one is compulsory. Show all workings clearly.

- Find the LCM and HCF of the following
 - 12, 8 and 16.
 - 45, 60 and 150
 - $(3.4 \times 10^6) + (1.2 \times 10^3)$(11 marks)
- Simplify: $(8.4 \times 10^6) \times (1.2 \times 10^3)$
Find the positive square roots a. $\sqrt{1600}$ b. a. $\sqrt{101 - 36 - 1}$ (8 marks)
- Round 86,473 to the nearest:
 - thousand, (ii) hundred, (iii) ten.Solve the following a. $2x - 6 = 5x - 12$ b. $5x + 6 = 3x - 12$ (8 marks)
- Simplify the following : a. $12x^3y^{-2} \div 3x^{-2}yz^{-3}$
 - $6e^5f^3 \times 3e^2f$
 - $a^{-3} \times a^{-7}$(8 marks)
- Expand and simplify: a. $(x + 3)(x - 4)$.
 - $2(3x - y) + 3(x + 2y)$solve c. $2x - 6y + 8x - 10y$ (8 marks)
- Solve the following equations:
 - $\frac{2}{3y} + \frac{1}{2} = \frac{1}{y}$

b. $\frac{2y-1}{2} + \frac{1}{2} = \frac{y}{5}$

c. $x - 6 = 13$

(8 marks)