CHRIST HIGH SCHOOL

CHRIST HIGH SCHOOL PLOT 5, CHS STREET, KM 32, ABUJA-KEFFI ROAD UKE, NASARAWA STATE

JSS1 EXAMINATION 2024/2025 ACADEMIC SESSION

SUBJECT: MATHEMATICS
CLASS: JSS 1
TIME: 2 Hours 30 Minutes

NAME……

CANDIDATE'S ADMISSION NO.

INSTRUCTION

Write your name and number in the space provided on your answer booklet. Write your name on any extra sheet used.

Answer all questions in Section A and any four (4) questions in Section B.

At the end of the examination, staple all your work securely together.

FOR EXAMINER'S USE	
Total Score:	+

SECTION A: Objective

INSTRUCTIONS: Answer all questions in this section

1. Arrange in ascending order -12, 4, 0,-15, 0.5,-5,10
   A. -15, -5, -12,0,0.5,10,4
   B. -15, -5,4,0,-12,0.5,10
   C. -15,-12,-5,0, 0.5,4,10
   D. 0,0.5,4,-5, -12,10,-15
   E. 0, 0.5, -5, -15, -12, 4,10
2. Workout 12- (+5)
   A. +9
   B. -7
   C. -17
   D. 11
   E. +7
3. If the zero hour for a kick off of a football match is 4 pm, express as either positive or negative time6.45pm
   A. +2.45 hours
   B. -2.45 hours
   C. – 6.45 hours
   D. 7 hours
   E. 3 hours
4. Which of the following numbers are integers? ⅔,-3,0, 0.25,$2\sqrt{5}$
   A. $^{2}/_{3}$, -3,0
   B. $2\sqrt{5}$, 3,0.25
   C. $\frac{2}{3}$
   D. -3,0
   E. $2, 2\sqrt{5}$
5. Integer are also called -------?
   A. Positive numbers
   B. Number line
   C. Directed number
   D. Whole number
   E. Positive and Negative number
6. Choose the best estimate for 32 x 58
   A. 40 x 50
   B. 30 x 60

C. 40 x 60
D. 30 x 50
E. 30 x 050

7. Round off 23.45 to the nearest ten
   A. 190
   B. 20
   C. 23.20
   D. 23.00
   E. 200
8. Approximate 0.0085 to the nearest hundredth
   A. 100.01
   B. 0.08
   C. 0.30
   D. 0.0080
   E. 0.01
9. Usman bought 2.5kg of fish,6.25kg of meat and 1.75kg of crayfish. Estimate the quantity of the items bought altogether to the nearest whole number.
   A. 10.50kg
   B. 11kg
   C. 50.11kg
   D. 10.00kg
   E. 1.5kg
10. Round-off 738.5078 to 1 significant figure.
   A. 738.51
   B. 739
   C. 738.5
   D. 700
   E. 738.508
11. Write 111_{two} in powers of its base.
   A. $1x2^2 + 1x2^1 + 1x2^0$
   B. $1x2^0 + 1x2^1 + 1x2^2$
   C. $1x2^2 + 0x2^1 + 1x2^0$
   D. $1x2^2 + 0x2^1 + 0x2^0$
   E. $0x1^2 + 0x1^1 + 0x2^0$
12. Express 21 as a multiple of the powers of 2
   A. $2^5 + 2^4 + 2^1$
   B. $2^3 + 2^2 + 2^0$
   C. $2^4 + 2^2 + 2^0$

D. $2^2+ 2^1+2^0$

E. $2^4+2^3+2^2$

13. Add 11,10

A. 1100

B. 1000

C. 101

D. 1100

E. 100

14. Divide 11000_2 by 1000_2

A. 111

B. 101

C. 1110

D. 10

E. 11

15. Find the value of x in the equation $110_{two} + X_{two} = 1000_{two}$

A. 1

B. 101

C. 1010

D. 10

E. 01

16. What is the product of $1011_{two}$and $101_{two.}$

A. 110111

B. 1100111

C. 100111

D. 1111001

E. 1010100

17. Evaluate 111001_{two}- 10011_{two}

A. 100110

B. 111101

C. 100111111

D. 11111000

E. 111000

18. Calculate the one tenth of ₦2350.

A. ₦23500

B. ₦23

C. ₦3000

D. ₦235

E. ₦358.50

19. A group comprises 12 people. How many groups can be formed from 108 people?
    A. 27
    B. 108/12
    C. 9
    D. 3
    E. 54
20. Write an equation for this expression using m as the unknown. I think of a number. I subtract 11. The answer is 12.
    A. M + 12 =11
    B. M – 11 = 11
    C. M= 1
    D. M= 32
    E. M = 23
21. What is the result of subtracting 20 from half of 82?
    A. 20
    B. 42
    C. $\frac{42}{4}$
    D. 21
    E. 51
22. In a flying race, the second leg is twice as long as the first leg. If the total distance for both legs is 297km, how long is the first leg of the race?
    A. 34km
    B. 99km
    C. 45km
    D. 65.7km
    E. 30km
23. $80 \div \chi = 5$
    A. 15
    B. 25
    C. 15
    D. 20
    E. 16
24. $\frac{x}{2}$ -15 =13
    A. 56
    B. 58
    C. 14

D. 13
E. 4

25. $x - 4 = 32 - 5x$
A. -32
B. 35
C. 6
D. 25
E. -6

26. Simplify the algebraic expression $x + 2x + 3x + 4x + 5x$
A. -25x
B. 25x
C. 6x
D. 10x
E. 15x

27. Simplify $\frac{-36pq}{6q}$
A. -6p
B. 6p
C. -36pq
D. 12pq
E. -6pq

28. Remove the bracket and Simplify $2a + 3(a + 5)$
A. 5+ 15a
B. 3a
C. $a + 2a + 7$
D. 5a + 15
E. 5a - 8

29. Express the product of 15 and 0.251 to the nearest hundredth.
A. 3.77
B. 3.765
C. 300
D. 4
E. 3.8

30. What is the cost of 9.25m of cloth at ₦180.75 per meter to 2 d.p?
A. ₦1671
B. ₦1600.00
C. ₦1671.94
D. ₦2000
E. ₦1672

31. A piece of cloth is 18.745 m long. A length of 7.728m is cut from it. How much is left?
    A. 11.70m
    B. 12m
    C. 34.91m
    D. 144.861m
    E. 11.017m
32. Express $\frac{1}{5}$ as percentage
    A. 60%
    B. 20%
    C. 40%
    D. 200%
    E. 25%
33. A boy buys 12 eggs at ₦(χ-8) each and tins of sardines at ₦(2χ-3). How much are these altogether?
    A. x-8-3+4x
    B. 17x+24
    C. 3x+12
    D. 3x- 11
    E. 4x+11
34. Bintu thinks of a number, multiplies it by 5 and adds 3. The answer is 38. Translate this sentence into a mathematical statement.
    A. a=34
    B. 5a=38
    C. a= 8.2
    D. 5a+ 3=38
    E. 5a =38
35. Solve 3(a-2)+2a =24
    A. a = 6
    B. a = 30
    C. a = 18
    D. 5a =34
    E. a = 5
36. An engineer welded two equal lengths of iron together. He then cut off 3cm to get the required length of 13cm. how long was each piece of iron that the engineer welded together?
    A. 14cm
    B. 5cm

C. 18cm
D. 6cm
E. 8cm

37. Simple equation can be solved by _____-
A. Checking and adding
B. Collecting like terms, balancing
C. Subtraction and addition
D. Opening bracket, multiplying
E. BODMAS

38. The width of a rectangle is two-thirds of the length. If the perimeter is 192 cm, find the width.
A. 38.6cm
B. 57.6cm
C. 38.4cm
D. 576cm
E. 192cm

39. Solve – 3x +9 = 13 -7x
A. 11/2
B. 22
C. 4
D. 0
E. 1

40. What is 1999 in Roman numeral?
A. MCMXCIX
B. MCCCCCCCCCIX
C. MCCCCDIX
D. MMMMMMMMMIX
E. MDCCIXIX

SECTION B: THEORY

INSTRUCTION: ANSWER ONLY FOUR (4) QUESTIONS

1. Use number line to evaluate -12-(-12). 2marks

1b. The width of a rectangle is two-thirds of the length. If the perimeter is 192 cm, find the width. 3marks

2. What is the result of subtracting 20 from half of 82? 2marks

2b. What is the product of 1011_{two} and 101_{two}? 3marks

3. Solve 3(a-2)+2a =24. 3marks

3b. Which of the following numbers are integers? ⅔,-3,0, 0.25,$2\sqrt{5}$. 2marks

4. Round-off 738.5078 to 1 significant figure. 2marks

4b. Find the value of x in the equation $110_{two} + X_{two} = 1000_{two.}$ 3marks

5. Arrange in ascending order -12, 4, 0,-15, 0.5,-5,10. 2marks

5b. 3b(4 – 8a)-6 (7b-11ab). 3marks

6. A boy buys 12 eggs at ₦(χ-8) each and tins of sardines at ₦(2χ-3). How much are these altogether? 3marks

6b. Divide 11000_2 by $1000_{2.}$ 2marks