

NIMOTALAI MODEL COLLEGE SCHOOL IHUNBO IPOKIA LOCAL GOVERNMENT, OGUN STATE

SECOND TERM EXAMINATION 2022/2023 ACADEMIC SESSION

CLASS: JSS THREE TIME ALLOWED 90 MINS

SUBJECT: MATHEMATICS

SECTION A

- 1) The LCM of 14 and 17 is (a) 90 (b) 60 (c) 238 (d) 120
- 2) The Roman numerals CXCIV represents the number (a) 194 (b) 186 (c) 214 (d) 215
- 3) What is the value of 1.2 km in metres? (a) 120m (b) 1 200m (c) 12 000m (d) 120 000m
- 4) Simplify $2\frac{1}{4} + \frac{5}{4}$. (a) $3\frac{1}{4}$ (b) $2\frac{1}{8}$ (c) $1\frac{1}{4}$ (d) $2\frac{1}{2}$.
- 5) Simplify $4\frac{2}{5} - 3\frac{1}{4}$. (a) $1\frac{3}{20}$ (b) $2\frac{2}{5}$ (c) $1\frac{7}{20}$ (d) $1\frac{5}{8}$
- 6) Calculate in base two $101+101$ (a) 1010 (b) 1111 (c) 1001 (d) 0101
- 7) Calculate the cost of 82 oranges at ₦5.80 each. leave your answer in three significant figure.
(a) ₦460 (b) ₦457.5 (c) ₦475.6 (d) ₦476
- 8) A cup has a capacity of 290mL. It takes 63 cups to fill a bucket. Find the approximate capacity of the bucket in litres.
(a) 9 litres (b) 10 litres (c) 1800 litres (d) 18 litres.
- 9) Expand $586 \dots$ (a) $5 \times 9^3 + 9 \times 9^2 + 6 \times 9^1$ (b) $5 \times 9^3 + 8 \times 9^2 + 6 \times 1$ (c) $5 \times 9^3 + 8 \times 9^2 + 6 \times 9^1$ (d) $5 \times 9^3 + 8 \times 9^2 + 6 \times 9^0$
- 10) An SSS student told a JSS1 student that he is the senior to him in age by 8 years. If the junior student is x years old, how old is the senior student? (a) $8x$ (b) $x + 8$ (c) $8 - x$ (d) 16
- 11) Simplify $2 \times 9x + 12x^3$. (a) $18x$ (b) $22x$ (c) $30x$ (d) 15
- 12) Simplify $6xy^2/2y^3x$. (a) $6x$ (b) 3 (c) $3xy$ (d) $3y$
- 13) Simplify $7x - 6 - (2 - x)$. (a) $8x - 8$ (b) $7x - 8$ (c) $7x + 12$ (d) $8x - 4$
- 14) Expand and completely $(2a - 3b)(3a - 2b)$. (a) $6a^2 - 4ab - 9ab + 6b^2$ (b) $6a^2 - 13ab + 6b^2$ (c) $6a - 13ab + 6b$
(d) $6 - 13ab + 6b^2$
- 15) Factorize $12x - 8y$. (a) $4(3x + 2y)$ (b) $(3x + 2y)$ (c) $4(3x + y)$ (d) $4(x + 2)$
- 16) Factorize the quadratic expression $x^2 + 7x + 10$. (a) $(x + 5)(x + 2)$ (b) $(x + 5)(x + 7)$
(c) $(5x + 5)(x + 2)$ (d) $(x + 7)(2x + 2)$
- 17) Solve the linear equation $2(x - 8) = 3(x + 5)$ (a) -30 (b) 31 (c) -31 (d) -13
- 18) The average cost of a number of erasers is ₦60. If all the erasers cost ₦ 20, find the total number of

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D Siedentop

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