#### NIMOTALAI MODEL COLLLEGE 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

What is the value of 1.2 km in metres? (a) 120m (b) 1 200m (c) 12 000m (d) 120 000m

4) Simplify 2 16 + 16 (a) 3 16 (b) . 2 1/8 (c) 1 16 (d) 2 16.

5) Simplify 4 2/5 - 3 1/4 (a) 1 3/20 (b) 3 2/5 (c) 1 7/20 (4) 1 5/8

6) Caculate in base two 101+101 (a) 1010 (b) 1111 (c) 1001 (d) 0101

7) Calculate the cost of \$2 oranges at #5.80 each, leave your answer in three significant figure

(a) #480 (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  $586 = (a) 5 \times 9^2 + 9 \times 8^4 + 6 \times 9^4$  (b)  $5 \times 9^3 + 8 \times 9^4 + 6 \times 1$  (c)  $5 \times 9^4 + 8 \times 9^4 + 6 \times 9^4$  (4)  $5 \times 9^4 + 6 \times 9^4$ 

10) An SS3 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 x 9x + 12x 3. (a) 18x (b) 22x (c) 30x (d) 15

12) Simplify 6x y/2y x. (a) 6x (b) 3 (c) 3xy (4) 3y

13) Simplify 7x - 6 - (2 - x) (a) 8x - 8 (b) 7x - 8 (c) 7x + 12 (d) 8x - 4

14) Expand completely (2a - 3b) (3a - 2b) (a) 6a' - 4ab - 9ab + 6b' (b) 6a' - 13ab + 6b' (c) 6a - 13ab + 6b

(d) 6 - 13ab + 6b\*

15) Factorize 12x = 8y. (a) 4(3x + 2y) (b) (3x + 2y) (c) 4(3x + y) (d) 4(x + 2)

16) Factorize to 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 50k, if all the erasers cost N 20, find the total number of

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