

END OF FIRST TERM EXAMINATION APRIL 2022
MATHEMATICS FOR BASIC SIX

1. Sixteen million, three hundred and twenty-eight thousand, four hundred and fifty is written as.....in figures.

- A. 16,328,460
- B. 16,328,450
- C. 16,328,405
- D. 6,328,450

2. The **value** of the underlined digit (19,345) is...

- A. 3,000
- B. 300
- C. 30,000
- D. 30

3. Compare the following numbers.

693,401-----683,431

- A. <
- B. >
- C. =
- D. None of the above

Use the following information to answer question 4 to 6. **Round up** the following numbers to the nearest hundreds.

4. 29,350.

- A. 29,000
- B. 29,400
- C. 29,300
- D. 30,000

5. 1,788.

- A. 1,700
- B. 1,800
- C. 16,00
- D. 1,559

6. 99,213.

- A. 99,100
- B. 99,200

- C.99,300
- D.99,213

Use the following to answer question 7 to 9. Convert the following Hindu Arabic numerals to the Roman numerals.

- 7.48
- A.XLVII
 - B.XLVIII
 - C.XLIX
 - D.LXI

- 8.71.
- A.LXXI
 - B.LXXII
 - C.XLLI
 - D.LXXI

- 9.84.
- A.LXXXIV
 - B.LXXXIII
 - C.LXXXI
 - D.LXXXVIII

- 10.The Highest Common Factor (HCF) that can divide 36 is...
- A.36
 - B.12
 - C.9
 - D.6

- 11.Round **down** this number to the nearest millions. 245,678,954
- A.246,000,000
 - B.245,678,000
 - C.245,000,000
 - D.245,600,000

- 12.The least common multiples(LCM) of 5 and 4 is....
- A.30
 - B.20
 - C.15
 - D.25

- 13.The highest common factor of 12 and 18 is....
- A.8

- B.6
- C.7
- D.4

14. Which of the following is a prime number?

- A.25
- B.18
- C.19
- D.21

15. Which of the following are prime factors of 12?

- A. $\{2 \times 2 \times 2 \times 3\}$
- B. $\{2 \times 2 \times 3\}$
- C. $\{2 \times 3 \times 3\}$
- D. $\{2 \times 2 \times 2 \times 3\}$

15. The **product** of 12 and 1000 is

- A.1200
- B.12000
- C.120
- D.13000

16. Find the **sum** of 458 and 245.

- A.730
- B.703
- C.343
- D.676

17. Which of the following is an odd number?

- A.18
- B.12
- C.20
- D.21

18. Emelda used this technique to solve the following.

$$80 \times 2 = ?$$

$$80 \times 2 = 40 \times 4 = 160.$$

That is half of 80 is 40 and double of 2 is 4. Therefore, $80 \times 2 = 160$. What technique did Emelda use?

- A. Halvig
- B. Doubling
- C. Halving and Doubling
- D. Distributive property.

19. Every number multiplied by zero(0) is...

- A.1
- B.2
- C.0
- D.00

20. Every number multiplied by 1 is equal to that same number.

- A.True
- B.False
- C.Maybe
- D.I don't know

21. Identify the **thousands** in the following digits. 2354720

- A.3
- B.5
- C.4
- D.7

22. **Subtract** 827 from 945.

- A.122
- B.118
- C.152
- D.124

23. Rosina bought 15 pens from the stationery shop. If each pen costs Gh¢1.50, how much did she pay for the pens?

- A.Gh¢22
- B.Gh¢24.40
- C.Gh¢22.50
- D.Gh¢25.50

24. Benedicta mother asked her to share **48** oranges to her **four** siblings **equally**. How many oranges will each person receive?

- A.14
- B.12
- C.192
- D.8

The following skip count forward is in 100s.

200,400,600,1000, 1200,1400,1500,1800. Use it to answer question 25 and 26.

25. The omission is....

- A.400
- B.600

- C.800
- D.1200

26. The error is...

- A.400
- B.600
- C.1500
- D.1400

27. There are 12 cows and 14 horses on a field. Each animal has 4 legs. How many legs do the animals have altogether?

- A.100
- B.104
- C.580
- D.140

28. 3832 is divisible by 6 **without** a remainder.

- A.True
- B.False
- C.Maybe
- D.I don't know

29. Which of the following numbers is a prime number and also an odd number?

- A.21
- B.25
- C.19
- D.49

30. Round **off** this number to the nearest thousands. **456364**

- A.456000
- B.456300
- C.45700
- D.456400

31. Find the **HFC** of 18 and 36.

- A.12
- B.14
- C.18
- D.16

32. Write Seventeen million, two hundred and six thousand, eight hundred and twenty-four in figures.

- A.17,26,824
- B.17,268,240

- C.17,206,824
D.17,26,824

Michele solved 786×4 using the following method.

\times	700	80	4
4	2800	320	16

$$=2800+320+24=3144$$

Therefore, $786 \times 4 = 3144$.

33. What method did Michelle use?

- A.Lattice method
B.Distributive property of multiplication
C.Halving and Doubling in multiplication
D.Expanded and box method

34.Estimate the **difference** between 464 and 175 to the **nearest hundred**.

- A.289
B.639
C.300
D.350

35. Complete the skip counting backwards in 5000s.

852100,847100,842100,.....

- A.837100
B.338900
C.333450
D.353900

THIS SECTION CONSISTS OF FOUR QUESTIONS. ANSWER ONLY THREE QUESTIONS.

(60marks)

CREDIT WILL BE GIVEN FOR CLARITY OF EXPRESSION AND ORDERLY PRESENTATION OF MATERIAL. (5marks)

1.Use the skip counting up from a known fact to solve the following.(4marks)

(a) $4 \times 9 = 36$,

find 7×9 .

(b) $6 \times 10 = 60$,

find 11×10 .

(c) Find the HCF and LCM of 32 and 18 using the **factor tree**. (4marks)

(d) Compare the pair of numbers using $<$, $>$ or $=$ (3marks)

(i) 234576.....223465

(ii) 459025.....4572990

(iii) 24576.....4328667

(c) Use the lattice method of multiplication to solve the following. (4marks)

(i) 24×43

(ii) 32×34

2.(a) Convert the following Hindu Arabic numerals to the Roman numerals. (8marks)

(i) 109

(ii) 89

(iii) 95

(iv) 19

(b) Find the HCF and LCM of 30 and 45 using the Venn diagram (6marks)

© Use the distributive property of multiplication to solve the following. (6marks)

(i) 5×62

(ii) 6×80

(iii) 4×83

3.(a) Find the following missing addends. (8marks)

(i) $L + \dots = LXXV$

(ii) $LXV + \dots = XC$

(iii) $LIV + \dots = C$

(iv) $XXXIV + \dots = LXXIX$

(b) Round the following numbers to the nearest thousands. (6marks)

(i) 586543

(ii) 500974

(iii) 456709

(c) Write the following figures in words (6marks)

(i) 38,645,936,248

(ii) 230,090,046

4.(a) Use multiplication of numbers by the Nine(9) technique to solve the following. (6marks)

(i) 9×45

(ii) 23×9

(ii) 9×19

(b) Use the basic multiplication and Division method to fill the missing numbers (6marks)

(i) $20 \div 4 = \dots \times \dots = 20$

(ii) $65 \div 5 = \dots \times \dots = 65$

(iii) $49 \div 7 = \dots \times \dots = 49$

(c) Use the division and table method to find the HCF and LCM of 18 and 32 (5marks)

(d) Prove whether or not 4568 can be divisible by 6 without a remainder. (3marks).

GOOD LUCK