

Cantonment Public School & College, Saidpur

Home Test-1/2020

Class: VI (E.V)

Sub: General Mathematics (Multiple Choice Question)

Time: 30 minutes

Marks: 30

[N.B. Give the tick mark at the letter among the letters against the numeric number of questions to supplied multiple choice answer script. Each question denotes 1 full mark]

1. Which one pair is co- prime number?
a) 5, 80 b) 13, 104
c) 34, 85 d) 3, 13
2. Which number of the following is divisible by 3?
a) 850 b) 936
c) 532 d) 731
3. The number 6435 is divisible by-
i. 3
ii. 9
iii. 5
Which one is correct?
a. i & ii b. i & iii
c. ii & iii d. i, ii & iii
4. Which one is the place value of 3 of 73455?
a) 3 thousands b) 3 ajut
c) 3 nijut d) 3 hundreds
5. Which are the H.C.F. of the following numbers 15, 18, 20, 22 ?
a) 2 b) 1
c) 4 d) 3
6. How many prime numbers are there from 31 to 71 ?
a) 8 b) 9
c) 10 d) 11
7. 5 billion = what ?
a) 5Crore b) 50 Crore
c) 500 Crore d) 5000 Crore
8. 3 lac = what ?
a) 3 thousands b) 30 thousands
c) 300 thousands d) 3 millions
9. Which number of the following is divisible by 9?
a) 406 b) 506
c) 605 d) 702
10. Which one is the H.C.F of 13,29 and 17 ?
a) 1 b)13
c) 17 d) 29
11. Which one of the following are co-prime pairs?
a) 2,15,17 b) 3,15,17
c) 4,15,28 d) 5,15,17
12. What are the prime factor of 30?
a) 2,3,5,6,10 b) 1,2,3,5,6
c) 1,2,3,5 d) 2,3,5
13. Which one is the multiple of the greatest number ?
a) 4 b) 8
c) 16 d) 32
14. What is the highest common factor of the two numbers ?
a) 8 b) 4
c) 2 d) 1
15. Which pair of number is divisible by 3 and 5?
a) 45, 75 b) 45, 58
c) 57, 64 d) 60, 68
16. -10^0c , -20^0c , -50^0c and -60^0c . Which is the coolest temperature?
a) -10^0c b) -20^0c
c) -50^0c d) -60^0c
17. Which one is not numeral?
a) 0 b) -5
c) $\frac{1}{2}$ d) 3
18. What is the sum of (+a) and (-a)?
a) 0 b) 2a
c) -2a d) -a
19. What is the L.C.M of ax, bx, cx?
a) 1 b) abcx
c) abc d) x
20. If a= -2, what is the value of $2a-4$?
a) 0 b) 8
c) -4 d) -8
21. Which one is the natural number?
a) 0 b) -5
c) $\frac{1}{2}$ d) 3

22. The number 0 is -

- i. digit
- ii. integer
- iii. natural number

Which one is correct?

- a. i & ii
- b. i & iii
- c. ii & iii
- d. i, ii & iii

23. Which number of the following is divisible by 4?

- a) 6024
- b) 5014
- c) 6034
- d) 5054

24. Which one is a perfect square?

- a) 95
- b) 85
- c) 64
- d) 50

25. Which number of the following is divisible by 3?

- a) 78106
- b) 98012
- c) 89014
- d) 78065

26. How many digits are used in enumeration?

- a) 8
- b) 9
- c) 10
- d) 11

27. Which one is the place value of 3 of 8039402?

- a) 3 thousands
- b) 3 ajut
- c) 3 nijut
- d) 3 hundreds

28. Which one of the following is the additive inverse expression of $(-b)$?

- a) $+b$
- b) $-b$
- c) $-\frac{1}{b}$
- d) $\frac{1}{b}$

29. $72 - 89 =$ what ?

- a) 17
- b) -17
- c) -22
- d) 27

30. If $A = 45 - (-10)$ and $B = 57 + (-12)$

- i. $A = 65$
- ii. $B = -69$
- iii. $A - B = 20$

Which one is correct?

- a. i & ii
- b. i & iii
- c. ii & iii
- d. i, ii & iii

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Home Test-1/2020

Class: VI (E.V)

Sub: General Mathematics (Creative)

Time: 2.30 hours

Marks: 70

(Answer 7 questions in total taking 4 from A group, 3 from B group.

Each question carries 10 marks)

Group: A (Arithmetics)

1. 3, 0, 5, 6, 7 are some digits .
 - a. Write down the greatest and least numbers consisting the above digits mentioned in the stem , using the digits only once . 2
 - b. Show that , the difference of the greatest and the least number is divisible by 3. 4
 - c. Determine the place value of significant digits of the greatest number. 4
2.
 - i. 45789 and 891071 are two numbers.
 - ii. (1)Three crore two lac six thousand one hundred four .
(2) Nine hundred sixty seven crore seven lac ninety .
 - a. How many lacs make 60 millions? 2
 - b. Write down the two numbers of (i) mentioned in the stem in words.4
 - c. Write down the two numbers of (ii) mentioned in the stem in digits 4
3.
 - i. 545, 3774 ,6241
 - ii. 6540 , 4027 , 6924
 - a. Write five prime numbers of 2 digits . 2
 - b. Which of the numbers in (i) mentioned in the stem are divisible by 5. 4
 - c. Which of the numbers in (i) mentioned in the stem are divisible by 4. 4
4. 159 mangoes, 227 black berries and 401 litchis can equally be distributed with 3 mangoes, 6 black berries and 11 litchis left.
 - a. Write four multiple of 16 ? 2
 - b. Determine the highest number of boys? 4
 - c. Each mango price is 1.25 Tk, black berry is .50 Tk and litchis is .75 Tk. How many taka is needed to give the fruits to one boy? 4

5. i. 16 , 24 , 30 , 36
ii. 12 , 15 , 20 , 35
- a. Why 52 and 97 are co- prime numbers ? 2
b. What is the least number of 5 digits if the number is divided by the given numbers (ii) mentioned in the stem ? 4
c. What is the greatest number of 5 digits if the number is divided by the given numbers (i) mentioned in the stem , the remainder will be 12 every time ? 4
6. i. 54, 72 , 36
ii. 54 , 27 , 45
- a. The product of two numbers is 7650 and their H.C.F. is 13 .
determine the L.C.M. of the two numbers . 2
b. Find the L.C.M. of (i) mentioned in the stem. 4
c. Find the L.C.M. of (i) mentioned in the stem. 4

Group: B (Algebra)

7. 9, (-4), (-7), 8
- a. What is integers . 2
b. Add the four numbers mentioned in the stem . 4
c. Using number line, determine the sum of first two integers . 4
8. (-5) + 10,
- a. Write -5, 7 , 8 , -3 -1 , 3 , 0, 8 according to the ascending orders. 2
b. Use number line and add. 4
c. Give the description how to add. 4
9. $x = 5$, $y = -3$ and $z = 2$
- a. Place the numbers +5, -10 , -1 on number line . 2
b. According to the stem find the value of the expression $x - y - z$. 4
c. According to the stem find the value of the expression $x + y + z$. 4

10. i. (-7) . ii. (-5) + (-4) iii. (-24) - (-35)
- a. Find the difference of (-32) - (-40) . 2
b. Fill in the blanks :
1. (i) + $\square = 0$
2. (ii) = \square 4
c. Fill in the blanks with < , > or = sign the following box :
(iii) $\square (-35) - (-24)$. 4
11. $A = (-9) + 4 + (-6)$, $B = 6 + (-4)$, $C = (-5) + (-2) - (-5)$.
- a. Write four negative integers greater than - 21 . 2
b. Show that $A < B$. 4
c. Show that , $A + B + C = -11$. 4