FACULTY HIGHER SECONDARY SCHOOL

HALF YEARLY SAMPLE PAPER 2019-20

SUBJECT- MATHEMATICS

CLASS-VI

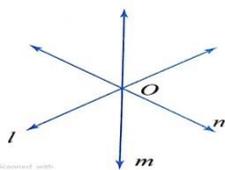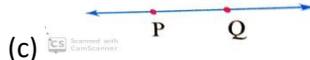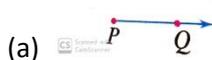**MAXIMUM MARK: 80**   **TIME: 3HRS**

SECTION A

1. The Hindu Arabic number system of CCXLIV is
   (a) 265   (b) 244   (c) 246   (d) None of these
2. What fraction of integers from -4 to 4 are even integers?
   (a) $\frac{5}{9}$ (b) $\frac{4}{9}$ (c) $\frac{4}{8}$ (d) $\frac{5}{8}$
3. Which of the following is represented by the figure?

   (a) Intersecting lines   (b) concurrent lines   (c) perpendicular lines (d) none of these
4. A line AB represented as

   (a)   (b)   (c)   (d) none of these
5. The integer representing a loss of Rs500
   (a) 500   (b) -500   (c) – Rs500   (d) Rs500
6. The decimal of $\frac{2}{4}$ is:
   (a) 0.50   (b) 0.050   (c) 5   (d) none of these
7. -5 taken away from 5 is:
   (a) 0   (b) 10   (c) -10   (d) 5
8. HCF of two consecutive number is
   (a) 0   (b) 1   (c) the smaller number   (d) the bigger number
9. The largest two digit prime number is
   (a) 93   (b) 91   (c) 97   (d) none of these
10. Associative property holds good for
    (a) Addition   (b) Subtraction   (c) Multiplication   (d) Addition and Multiplication
11. The biggest negative integer is
    (a) 1   (b) 0   (c) -1   (d) cannot defined
12. Which of the following is/are example of co-prime numbers?
    (a) (3,15)   (b) (14,28)   (c) (16,17)   (d) (26,21)
13. Odd number can have
    (a) Only odd multiple   (b) only even multiple (c) both even and odd multiples(d) none of these
14. Whole numbers start from zero and they are
    (a) Finite   (b) infinite   (c) both   (d) cannot defined
15. A _____ can be measured
    (a) Line   (b) Ray   (c) line segment   (d) none of these
16. The place value of 3 is 50.253 is
    (a) 3 tens   (b) 3 tenths   (c) 3 hundredths   (d) 3 thousandths

17. How many $\frac{1}{5}^{th}$ makes 1?
18. 2956 rounded off to the nearest 100 is 21056. (true/ false)
19. The successor of the greatest 4 digit number is _____ five digit numbers.
20. The LCM of two prime numbers is_____.

SECTION B

21. Write down 500g as a fraction of a kilogram
22. Subtract -3 from 3 on a number line
23. Simplify using BODMAS rule: 4x{7+(9-5+2)} +3
24. Find the LCM of 24,36 and 42
25. Find the approximate value of 9423-3284
26. Defined Adjacent angles with the help of diagram.

SECTION C

27. Write all the factors of 54
28. Draw the following angles using protractor also classify them
    (a) 60°   (b) 135°   (c) 310°
29. Subtract the sum of 54 and (-17) from 80
30. A man used $2\frac{1}{2}$ buckets of paint to paint a hall. He use $1\frac{1}{4}$ buckets less to paint a room. How much paint did he use for the room?
31. How many 5-digits numbers are there in all?
32. There are 5 bowls on a table with 7 candies in each bowl. Three candies taken away from each bowl. How many candies are left in the bowls? Write the mathematical statement for this.
33. By how much is the difference of 604 and 406.64 less than their sum ?
34. Leela had a ribbon of length 3.05 meters. She cut a piece of 1 meter and 60cm and gave it to her friend Jasleen. How much ribbon is left with Leela. Give the answer in meters.

SECTION D

35. In his will, Ravi left $\frac{1}{3}$ of his wealth to his son, $\frac{5}{12}$ to his daughter and the remaining to his wife. Who received the largest share and who received the least share?
36. Simplify: 45+3{34-(18-14)} ÷3[17+3x4-(2x7)]
37. Find out the product using distributive property: 1002x95
38. Find the greatest number that will divide 79,117 and 59 leaving the remainders 7,9 and 11 respectively.
39. Evaluate :
    810+(-6)+(-20)-(-8) –(-200)
40. In the figure :
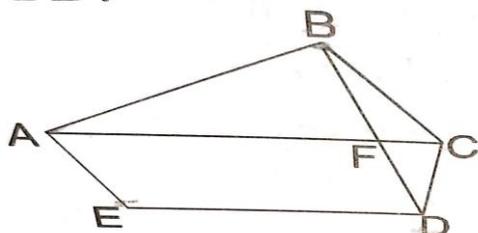
    (a) Name the line segments in the figure that intersect at E
    (b) Name the line segments that intersect at D.
    (c) What other line segments can be drawn?
    (d) Name the point of intersection of segments AC and BD.