PVISO - 2080

Third Terminal Examination – 2080

Sub:- Maths **F.M :50**

Class: VI **Time: 2hrs** **P.M : 20**

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1. If A = {1, 3, 5, 7, 9} and B = {3, 6, 9, 12, 15}then,
   a) Write the set A and B in descriptive form. [1]
   b) Draw a venn diagram of set A and set B. [1]
   c) Write the cardinal number of set A. [1]

2. a) There are 8 apples and 16 mangoes in a box. What is the maximum number of people can this fruits be equally distributed? [2]
   b) Find the LCM of 8 and 16. [2]
   c) Find the square root of 16. [1]

3. Ramesh gave $\frac{1}{7}$ part of his property to his elder son and $\frac{4}{14}$ part to his younger son and remaining part to his daughter.
   a) What fraction of property did his daughter get? [1]
   b) Who got the larger part of the property illustrate with fraction? 1]
   c) Convert the fraction get by his elder son into decimal up to three decimal point. [2]
   d) Write the place value of the decimal. [1]

4. Rajan sold a mobile phone for Rs 16000 and made 20% profit.
   a) Write the formula for profit when profit percentage is given. [1]
   b) Find the profit made by Rajan by selling the mobile. [1]
   c) Find the cost price of the mobile for Rajan. [2]

5. My classroom has a square floor of 5m length.
   a) Convert the length of the floor into feet. [1]
   b) Find the area of the floor. [1]
   c) Find the cost of carpeting the floor ar 20 per square meter. [1]
   d) Find the volume of air contained in my room if the height of the room is 4m. [2]

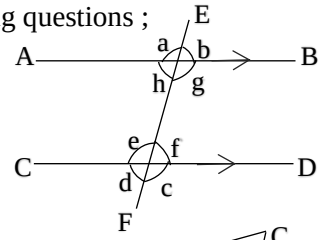
6. The sides of a triangle are x+4, 2x-3 and 3x+1.
   a) Find the perimeter of triangle. [2]
   b) Find the actual perimeter if x=2cm. [1]

7. a) Evaluate ; (-3ab) x (-2bc) ($-a^2b^2c^2$) [2]
   b) If the length of rectangle is (2x+3y) and breadth is (x+y), find the area of the rectangle. [2]

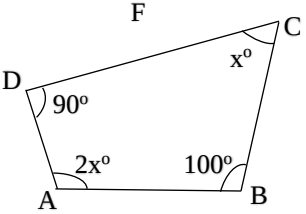
8. If $m^2 + 7m + 12$ apples is to be distributed among $(m + 4)$ students.
   a) Find how many apples each student get? [2]
   b) Find the actual number of apples if m=10. [1]

9. From the adjoining figure, answer the following questions
   a) Find the value of x, y and z. [3]
   b) What is the linear pair of 125^o? [1]
   c) What is the complement of angle y? [2]

10. From the figure alongside, answer the following questions ;
    a) Write one pair of co-interior angle. [1]
    b) Write one pair of corresponding angle. [2]
    c) Write one pair of alternate angle. [2]



11. Given alongside is a Quadrilateral ABCD.
    a) Find the value of unknown angles. [3]
    b) Which type of quadrilateral is formed if all angles are 90^o. [1]



12. The marks obtained by five students of class six in mathematics is 60, 75, 80, 55 and 30.
    a) Find the formula to find the average of given data. [1]
    b) Find the average marks in Mathematics. [2]

Best of Luck!!