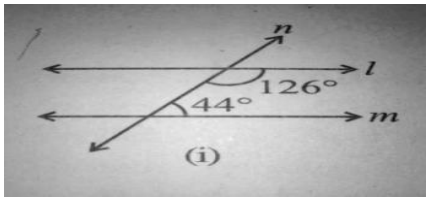
CLASS: VII; SUBJECT: MATHEMATICS

1. Attempt **any four** multiple choice questions from the following. **($\frac{1}{2}$X4=2)**
   I. The complement of 20˚ is
      a) 50˚ b) 60˚ c) 70˚ d)40˚
   II. Solution to the given equation x-7=1 is
      a) x=7 b)x=8 c)x=9 d) x=1
   III. A line segment has _____ end points.
      a) one b)two c) many d)no
   IV. Replace the blank with an integer to make it a true statement
      5X( ) = -35
      a) 7 b)-7 c)1 d)0
   V. value of 2.7 ÷100 is
      a) 0.27 b)0.027 c)0.0027 d)27
2. Fill **any four** blanks in the following. **($\frac{1}{2}$X4=2)**
   I. 101.01 X 0.01 = _____
   II. _____÷ 1 = (-87)
   III. Provide a number in the blank such that $\frac{2}{3}$ x --- = $\frac{10}{30}$
   IV. The additive identity for integers is _____.
   V. A _____ is a pair of adjacent angles whose non common sides are opposite rays.
3. Give the answer of **any six** of the following questions in short. **(1X6 =6)**
   I. Set up an equation for the statement,
      The sum of 3 times a number and 11 is 32.
   II. How much less is 20 km than 42.6 km?
   III. Write a pair of integers whose sum is -7.
   IV. Find the angle which is equal to its supplement.
   V. Express 4kg8g in kg using decimals.
   VI. Solve the following equation: 10p +10 = 100
   VII. A car runs 16 km using 1 lit of petrol.How much distance will it cover using $2\frac{3}{4}$ lit of petrol.
4. Short answer type questions:
   I. Solve the following equation for variable n : 4+3(n-5) = 25 **2**
   II. An elevator descends into a mine shaft at the rate of 6m/min.If the descent starts from 10m above the ground level, how long will it take to reach -350m. **2**
   III. Sarala purchased $3\frac{1}{2}$ kg apples and $4\frac{3}{4}$ kg oranges.What is the total weight of fruits purchased by her. **2**
5. Problem solving application based questions:
   I. Solve the following: **2**
      The teacher tells the class that the highest mark obtained by a student in her class is twice the lowest marks plus 7. The highest score is 87.What is the lowest score.

      OR

      Raju`s father`s age is 5 years more than three times raju`s age.Find Raju`s age if his father is 44 years old.
   II. In the given figure below, decide whether l is parallel to m. **2**
      Give reason.



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