Std 10 (English)   **Mathematics Part - I**

Time 1HRS	Chapter 1chp	Marks 20

Q.1   Multiple Choice Questions   2

1   How many solutions are there for linear equation in two variables?
a. One   b. Two   c. Three   d. Infinite solutions

2   The point which satisfies the following simultaneous equations is?
$5m - 3n = 8$; $3m + n = 2$
a. (1, 2)   b. (2, 1)   c. (- 1, 1)   d. (1, - 1)

Q.2   Attempt the following (Activity)   2

1   Complete the table to solve the following simultaneous equations.
$x - y = 4$

x	_____	- 1	0
y	0	_____	- 4
(x, y)	_____	_____	_____

Q.3   Solve the following   9

1   Solve the following simultaneous equations.
$49x - 57y = 172$; $57x - 49y = 252$

2   In factory the ratio of salary of skilled and unskilled workers is 5 : 3. Total salary of one day of both of them is Rs. 720. Find daily wages of skilled and unskilled workers.

3   Sum of the present ages of Manisha and Savita is 31. Manisha's age 3 years ago was 4 times the age of Savita. Find their present ages.

Q.4   Answer the following   4

1
A boat travels 16 km upstream and 24 km downstream in 6 hours.	The same boat travels 36 km upstream and 48 km downstream in 13 hours

Find the speed of water current and speed of boat in still water

Q.5   Answer the following   3

1   The perimeter of a rectangle is 40 cm. The length of the rectangle is more than double its breadth by 2. Find length and breadth.

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