OSDAV Public School, Kaithal

November Exams (2024-25)

Class : VI

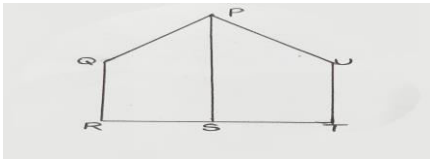
Subject : Mathematics

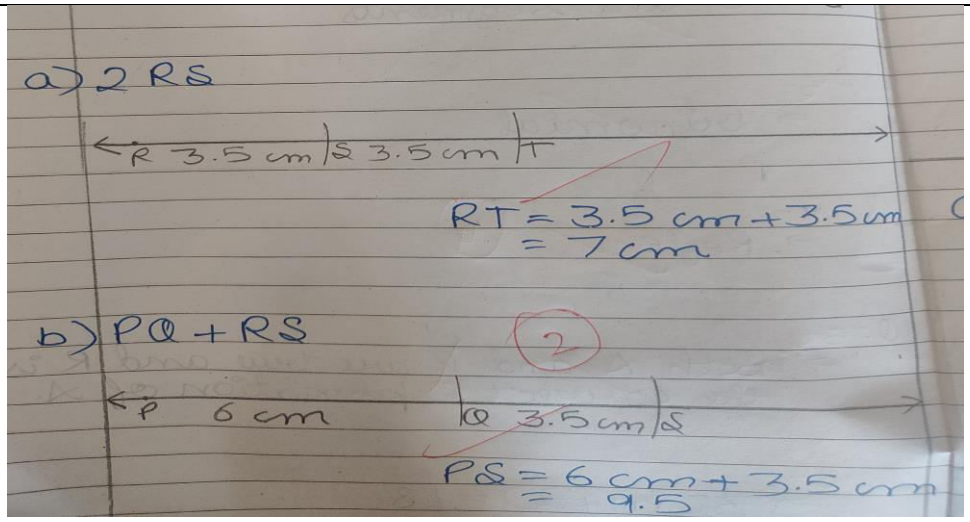
SET- A

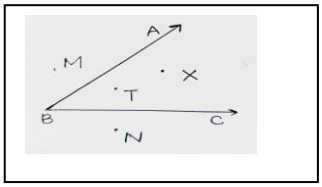
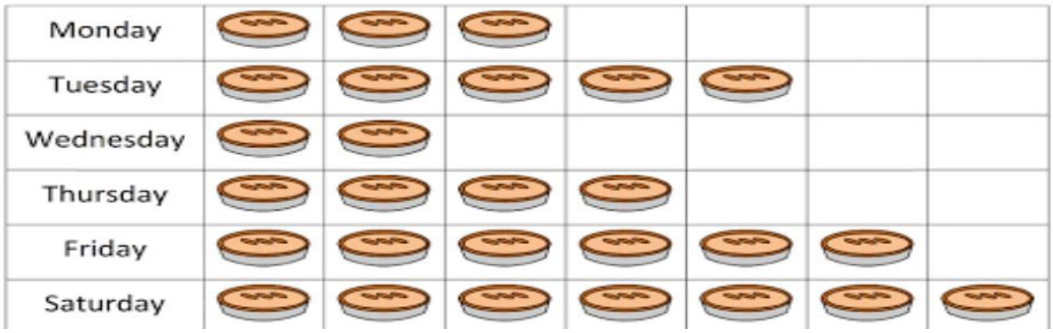
Time: 1 Hr 30min. **M.M. : 30**

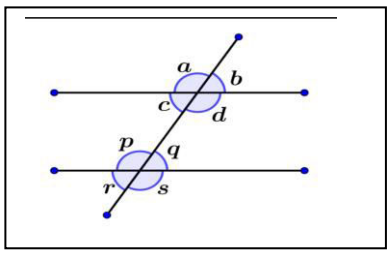
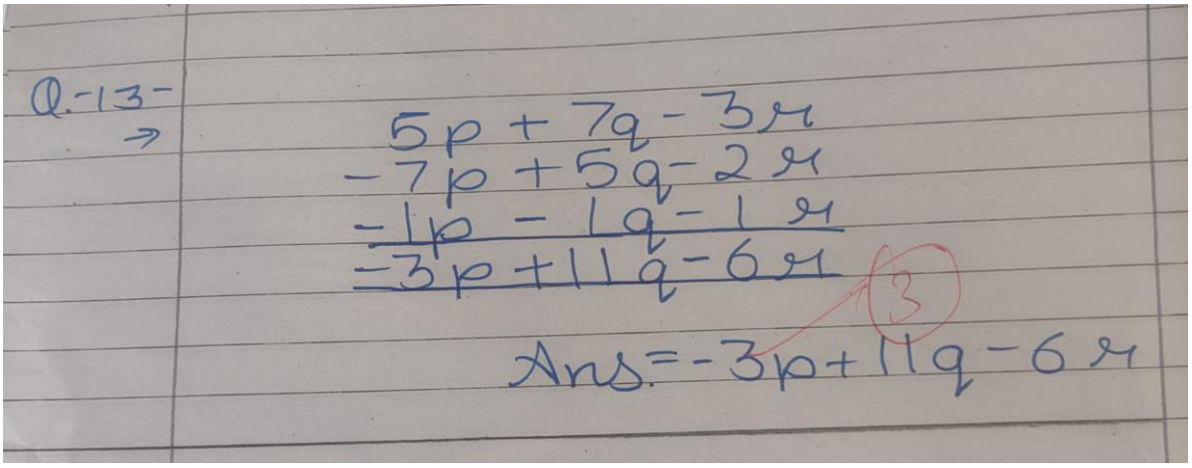
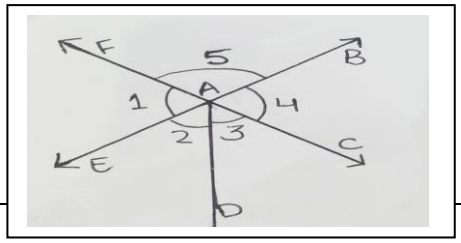
General Instructions:-

I. All questions are compulsory.

Q.N.	Questions. (ANSWER KEY)	Marks
	Section A	
Q 1	How many right angles are there in a complete angle ? c) 4	1
Q2	How many line segments are there?  d) 8	1
Q3	3a + 4b -5c is a _____ algebraic expression. l c) Trinomial	1
Q4	An angle measuring 235° is a _____ angle b) Reflex	1
Q5	Assertion: $2x^2 + 7$ is not a linear equation. Reason : An equation in which the power of the variable is one is called linear equation. . ii) Both Assertion (A) and Reason (R) are true and (R) is not correct explanation of (A).	1
	Section B	
Q6	Solve the linear Equation: 3 (m + 2) = 18 3m + 6 = 18. m + 2 = 18 ÷ 3 3m = 18 - 6. OR. m =. 6 - 2 3m = 12 m = 4 m = 12÷3. m = 4	1+ 1
Q7	If PQ = 6 cm and RS = 3.5 cm Using compass and ruler draw the following line segments. i) 2RS ii) PQ -+ RS	1 + 1



Q8	**Look at the figure and answer the following questions:**  **i) Name the points which lie in the interior of the angle ABC.** **Ans - T, X** **ii) Name the points which lie in the exterior of the angle ABC.** **Ans : M , N** **iii) Name the points which lie in the angular region of the angle ABC.** **Ans: A , B , C , T , X**	**1/2 + 1/2 + 1**
Q9	**Answer the following:** **a) Number of days in the month of November . (Constant)** **b) Encircle the like terms : - 3xyz , 4z , xyz , -7xy.** **Ans : -3xyz , xyz** **c) Write the exponential form : $2 \times p \times p \times q \times r = 2p^2qr$** **d) The coefficient of y in 4 x y is 4x**	**1/2 + 1/2 + 1/2 + 1/2**
Q10	**Read the pictograph and answer the following questions:** Each  represents 20 pies.  **a) How many pies were sold on Thursday? (80)** **b) Which day were the most pie sold? (Saturday)** **c) How many more pies were sold on Tuesday than Wednesday? (60)**	

	d) There were more pies sold on the last two daysthan the first four days. (false.)	**1/2 + 1/2 + 1/2 + 1/2**
	Section C	
Q11	**Solve and check : 3m - 5 = 22** **3m = 22+5.** **Check: put m = 9 in equation** **m = 27 ÷ 3.** **L.H.S. ! L.H.S.** **m = 9** **3m - 5 ! 22** **3×9 - 5 !** **27-5 !** **22. !** **L.H.S. = R.H.S.** **Hence checked**	**2+ 1**
Q12	**Look at the figure and answer the following Questions:**  **i) Name all the Interior angles ∠c. , ∠d. , ∠p. , ∠q** **ii) Angle corresponding to ∠ b ∠q** **iii) Angle alternate to ∠c ∠q** **iv) Angle corresponding to ∠d ∠s** **v) Angle alternate to ∠ a ∠s**	**1 + 1/2 + 1/2 +1/2 + 1/2**
Q13	**Add : 5p + 7q - 3r ; -7p + 5q -2r and –p - q – r**  	**1 + 1 + 1**
Q14	**Look at the figure and answer the following questions:**  **i) __ and ___ form a Linear pair. (∠1 , ∠5). or (∠5 , ∠4) or (∠2 + ∠3) , ∠4. or ∠2 , (∠3. + ∠4)** **ii) ∠3 and ∠4 are adjacent angles** **iii) Common arm of ∠1 and ∠5 is AF**	**1/2 +**

	iv) ∠1 and ∠4 are vertically opposite angles. v) The sum of ∠1, ∠2, ∠3, ∠4, ∠5, is 360 degree		1/2 + 1/2 + 1/2 + + 1
Q15	**Following table shows the number of bikes parked in the parking area of a shopping mall in four days. Prepare the bar graph using appropriate scale**		**1 + 2**

Days	Monday	Tuesday	Wednesday	Thursday
Number of bikes	50	30	20	40