KENDRIYA VIDYALAYA SANGATHAN JAIPUR REGION

SESSION ENDING EXAMINAION 2025-26

CLASS –VIII

MARKING SCHEME

SECTION -A

|  |  |
| --- | --- |
| 1 | ( C) 3 |
| 2 | (B) 9 AND 0 |
| 3 | (D) 4ab |
| 4 | (B) 5y + 45+ yz+ 9z |
| 5 | (D) none of these |
| 6 | (C ) 3:10 |
| 7 | (B) 28kg |
| 8 | (D)60% |
| 9 | ( C) 1 |
| 10 | ( A)) 16and 17 |

SECTION –B

|  |  |
| --- | --- |
| 11 | Let x,x+1, x+2 and x+3  x+x+1+x+2+x+3 = 34  4x+6 = 34x= 7 number 7,8,9,and 10 |
| 12 | (a-b) (a-b) =  = = – 2ab + , a= ½ x , b = 1/5y  1/4 – 1/5xy + 1/25 |
| 13 | 420 km |
| 14 | SP = **₹110 CP= ₹75**  **PROFIT SP-CP = ₹110 – ₹75 = ₹35**  **Profit % = X 100**  = X100 = 46.67 |
| 15 | Half of diagonal = = 12 units and = 35 units  The side length of the rhombus is the hypotenuse of the right – angled triangle by Pythagorean = +  = + = 144 +1235  = 1369 , s =  s = 37units |
| **SECTION C** | |
| 16 | Let the common ratio be x  Then sides 1x, 3x and 5x  Perimeter = 90cm  1x+3x+5x = 90 , 9x = 90, x = 10  Smallest side =10cm, middle side = 30cm, Largest side = 50cm |
| 17 | The multiple of 9 are between the number 4300 and 4400 are  4302, 4311,4320-------4392  The number of multiple of 9 = +1    +1 = 11 |
| 18 | 1. = = 164836 2. = = 9801 |
| 19 | 75%  75%  1/4 |
| **SECTION D** | |
| 20 | = + - 2mn (1)  = + + 2mn (2)  By eq. 1  = 400 – 2mn , mn = 72  By eq. 2  = 400 + 2x72  = 400+ 144 = 544  – ( = 288 |
| 21 | Condition- 1  If a number leaves remainder 2 when divided by 3, it can be written as n = 3k+ 2  Where k is an integer  Condition – 2  If a number leaves remainder 2 when divided by 4, it can be written as n = 4m+ 2  Where m is an integer  Let us list some number that leave remainder when divided by 3  2,5,8,11,14,17,23,26----  Now list some numbers that leave remainder 2 when divided by 4  2,6,10,14,18,22,26,30-----  Common numbers in both list  2,14,26,38---  Numbers are 2,14,26  Algebraic expression n= 12k+2 |
| 22 | Number of bricks required for 10ft wall =1450  So 10ft:1450bricks  Total length of wall 108ft  Let x bricks be required for 108ft long wall.  Ratio = 108ft : x  These ratios are in proportion  10:1450::108:x  X = 15660 bricks |
| 23 | Short length = 8 cm  Hypotenuse = 17 cm  Baudhayana’s theorem ( Pythagoren theorem)  State that for a right- angled triangle with legs of lengths a and b and hypotenuse of length c the relationship + =  + =  = 225  b = , b= 15 cm |
| **SECTION E** | |
| 24 | 1. 26.6% 2. 73.33% 3. 200ml 4. 550 ml |
| 25 | 1. X+1 2. X,3 3. X=4 |