

**DELHI PUBLIC SCHOOL, JAMMU**  
**MODEL REVISION PAPER**  
**SESSION (2018-19)**

**CLASS: VI**  
**SUB: MATHS**

**SECTION -A**

Q1 Write the successor and predecessor of -10

Q2 Write the expression of the following:

a) 2 subtracted from 2p

b) 1 added to 6 times X

Q3 Find the area of square whose side is 4 cm.

Q4 Find the perimeter of a regular Hexagon.

Q5 Find the ratio of the following:

a) 20 :40

b) 20 cm to 1 m

Q6 If the cost of 7m cloth is Rs 294. Find the cost of 5m cloth.

Q7 If the cost of 3 envelope is Rs 15. Find the cost of 10 envelopes.

Q8 Compare the ratios (5 : 6) and (3 : 4)

Q9 Find two equivalent ratios of 3 : 4

Q10 The area of a rectangle is 630cm and its length is 35 cm . Find the perimeter of the rectangle.

**SECTION -B**

Q11 Find the value of X : 55 : 11 :: x : 6


Q12 Draw the perpendicular bisector of a given line segment AB of length 6 cm.

Q13 Draw a line AB . Take a point P outside it .Draw a line passing through P and perpendicular to AB.

Q14 Construct the angle with the help of compass and ruler

a)  $30^\circ$

b)  $135^\circ$

Q15 In a class test, the number of students passed in various subjects are given below. Take the scale of 1  = 5 successful students. Draw the pictograph.

SUBJECTS	ENGLISH	MATHS	HINDI	SCIENCE
NO. OF STUDENTS PASSED	15	25	10	20

Q16 During a week a shop sells the following clothes. Represent it on a bar graph.

CLOTHES	SHIRTS	JACKETS	SWEATERS	TROUSERS
NUMBER	24	10	16	13

Q17 Solve the equation by using trial and error method;

a)  $2n + 1 = 11$       b)  $2r - 3 = 7$

Q18 Find the distance travelled by Sangeeta if she takes 5 rounds of a square park of side 10 cm.

Q19 A floor is 5m long and 4m wide .A square carpet of side 3m is laid on the floor ,find the area of the floor that is not carpeted.

### SECTION -C

Q20 The sum of two integer is -12. If one of them is 34 find the other.

Q21 Compare the following integer using appropriate symbols (<, >)

a) -2, -3      b) 10, -11

Q22 Draw an angle of  $90^\circ$ . construct its bisector.

Q23 Construct  $PQ = 10.3$  cm. divide it into four equal parts .

Q24 Solve and show the following on the number line

a)  $-3 - (-4)$       b)  $-5 + (-1)$

Q25 Divide 20 pens between Sheela and Ram in the raio of 3 : 2

Q26 Construct a frequency distribution table for the data on the number of items sold in a shop over a month.

30, 34,30,30,35,33,35,35,42,45,42,42,40,30,34,35,42,36,36,38,39,42,45,43,41,41,37,37,42,41

Q27 Simplify the following:

a)  $15 + (-3) + 8 + 20 - (-20)$       b)  $2 + (3) - (-15)$

Q28 Give expressions of the following:

a) 8 added to twice a number b) 1 more than the product of 12 and p

Q29 Determine whether the ratios 10 : 18 and 15 : 27 are equivalent

Q30 Find the cost of cultivating a rectangular field 80 m long and 35 m wide at the rate of Rs 15 per square meter.

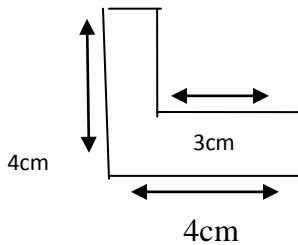
## SECTION-D

Q31 Given side = 4 cm .find

a) area of a square

b) perimeter of a regular octagon.

Q32 Find the area o the given fig:



Q33 A triangular path has dimensions 15 m, 35m, 20m . Anil walks along the path. Find the distance travelled by him in 3 rounds.

Q34 What is the side of length of the square whose perimeter is 24cm 28mm ?

Q35 Construct a line segment and also construct the copy of this line segment.

Q36 Using protector , construct the angle of following measure;

$35^{\circ}$  ,  $77^{\circ}$  ,  $167^{\circ}$

Q37 Seema purchased 4 pencils for Rs 20 and Raghu purchased 6 pencils for Rs 30. Whose pencils are more expensive.

Q38 Find the simplest forms of the following ratios.

a) 60 : 90      b) 256 : 144

Q39 Subtract the following.

a) 50 from (-34)      b) -13 from -29

Q39 Arrange the following in ascending order.

42, -2, 3, 74, -66, -124

Q40 Write the integers for the following statements.

a) 89 m above the sea level

b) Raj lost Rs 2000 in a game