

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

**CLASS: VIII**

**SUBJECT: - MATHS**

**Section-A**

**Q1:** The usual form for  $6.005 \times 10^4$

**Q2:** Factorise:  $343m^2 - 7m$

**Q3:** Find the value of  $\left(\frac{5}{8}\right)^6 \times \left(\frac{8}{5}\right)^8$ .

**Q4:** The volume of a cubical box is  $64 \text{ cm}^3$ . Find the edge of a cube?

**Q5:** A die is thrown. Find the outcome of an event of getting a prime number.

**Q6:** What will happen to the area of a cube, if its edge is doubled?

**Q7:** Write the ordered pair when abscissa = 5 and ordinate = 0.

**Q8:** Solve  $3(m + 5) = 24$

**Q9:** Find the discount percent when M.P. = Rs 80 and S.P. = Rs 60

**Q10:** In a city, 55% are males, 35% are females and the remaining are children. What is the percentage of children.

**SECTION-B**

Q11) Find the value of 't' if  $3t + \frac{7}{5} = \frac{2}{5} + 5t$

Q12) A die is thrown 20 times and the following scores were obtained :

1, 6, 5, 3, 2, 6, 4, 3, 1, 5,

4, 2, 5, 6, 4, 6, 2, 5, 4, 5.

Prepare a frequency distribution table for the above scores

Q13) Three coins are tossed together. find the probability of getting :

- (i) Exactly two heads
- (ii) At least two heads
- (iii) No head
- (iv) At least one head and one tail

Q14) Sudha requires 35% marks to qualify in the examination . If she secured 120 marks out of 500 , how much more marks did she need to pass ?

Q15) (i) By what number should  $(-28)^{-1}$  be divided so that the quotient may be  $4^{-1}$ ?

(ii) Show that  $\left[\left(\frac{3}{5}\right)^{-1} - \left(\frac{1}{3}\right)^{-1}\right]^{-1} = \frac{-3}{4}$

Q16) (i) Simplify :  $(4^{-1} + 8^{-1}) \times (\frac{3}{2})^{-1}$

(ii) Find x , if  $(3^{x+2} - 9) \div 8 = 9$

Q17) A defective piece of furniture which costs Rs 1200 is being sold at a loss of 15% . If the price is further reduced by 5% , find its selling price.

Q18) From the sum of  $2x - y + 7$  and  $2y - 10$  , subtract  $4x-2y$ .

Q19) Draw a graph to represent the relation between the time and simple interest on a sum of Rs 200 at the rate of 5% per annum.

Q20) Two adjacent sides of a parallelogram are 12 cm and 8 cm . If the length of the altitude corresponding to the sides 12cm is 6 cm , find the length of the altitude corresponding to the side 8 cm .

### SECTION-C

Q21) Solve for the value of x:  $\frac{7x+4}{x+2} = \frac{-4}{3}$

Q22) Sahil is twice as old as Saksham . If four years are added to Sahil's age and six years are subtracted from Saksham's age , then Sahi'ls age will be four times Saksham's age. What are their ages?

Q23) The monthly school fee of all the schools in the city is recorded as follows:

Monthly sch fee	280-320	320-360	360-400	400-440	440-480
No. of school's	10	12	18	9	6

Construct a Histogram of the above data

Q24) On a particular day the sales in Rs of different items of a bakers shop are given below :

Items	Bread	Cake	Pastries	Fruit bread	Biscuits
Sales( in Rs)	300	80	160	60	120

Draw a pie chat of the above data

Q25) I purchased a pair of shoes for Rs 243 inclusive of 8% VAT. Find the mark price of the shoes.

Q26) Sohan purchased 2 fans for Rs 1500 each . He sold one at a loss of 5% and another at a gain of 10%. Find the total profit or loss.

Q27) Mannu took a loan of Rs 32000 for 1year at 20% per annum compounded quarterly . How much he has to pay after 1 year ?

Q28) At what rate percent per annum will Rs 8000 amounts to Rs 9261 in three years compounded annually?

Q29) Multiply  $\frac{2}{3} x^3 y^3$  by  $(3x- 15y)$  and verify the result for  $x = 2$  ,  $y = 1$

