

J.K.G INTERNATIONAL SCHOOL, VIJAY NAGAR

PRACTICE PAPER

SUMMATIVE ASSESSMENT – 2 (2016-2017)

SUBJECT-MATHS

CLASS- VII

SECTION –A

(1x4)

Q1 Find 7.5% of 80?

Q2 Express 6580087 in standard form?

Q3 If the value of expression $3a^2 + a + k$ for $a=1$ is 7, then find the value of k?

Q4 find the area of an equilateral triangle of side 20 cm each?

SECTION –B

(2x6)

Q5 Find the number whose 6% is 42?

Q6 What should be subtracted from $\frac{-5}{3}$ to get $\frac{5}{6}$?

Q7 The circumference of a circle is 176 cm.find its radius?

Q8 Subtract $3a+4b-5ab$ from $4a+2ab-2b$.

Q9 Compare 3.6×10^2 and 2.98×10^5

Q10 Draw a figure having rotational symmetry of order 3?

Section –C

(2x6)

Q11 Mr Golu saves rs 3000 every month from his salary .If his savings is 15% of his salary ,Find his salary.

Q12 The sum of two rational numbers is $\frac{3}{-13}$.If one of them is $\frac{5}{7}$,Find the other.

Q13 Draw a line segment XY.Mark a point Z of length 5 cm above XY .Through Z,draw a line l parallel to XY.

Q14 The circumference of a circle is 31.4 cm .Find the radius and the area of the circle ?

Q15 How much does $91p^3 - 46p^2 + 12p + 23$ exceeds $23p^3 + 14p - 56$?

Q16 fill in the blanks

- (a) The quadrilateral that has four lines of symmetry and order of rotational symmetry as 4 is _____
- (b) The angle of rotation for rotational symmetry of letter S is _____
- (c) The capital letters A and B have _____ line of symmetry .

Q17 Find the simple interest on rs 15000 at 12 % pa for 8 months.

Q18 find the breadth of a rectangle whose perimeter is 360 cm and length is 102 cm.

SECTION-D

(4x10)

Q19 On selling an article for rs 275,a shopkeeper gains 10% .Find the cost price of the article ?

Q20 Construct a triangle ABC in which AB=6 cm ,AC=8cm and $\angle A = 90^\circ$?

Q21 Evaluate: $\frac{124 \times 37 \times 27}{364 \times 92}$

Q22 Express the following in standard form

- (a) 90432100000
- (b) 78654129000000

Q23 How many pieces ,each of length $6\frac{2}{5}$ m ,can be cut from a ribbon of length 32 m?

Q24 A verandah of width 2.25 m is constructed all along outside a room which is 5.5m long and 4m wide.Find:

- (i) The area of the verandah
- (ii) The cost of cementing the floor of the verandah at the rate of rs 200 per m²

Q25 Complete the table

LETTERS OF ALPHABET	NUMBER OF LINES OF SYMMETRY	ORDER OF ROTATIONAL SYMMTRY
C		
E		
H		
Z		

Q26 Find the value of the following expressions when x=-2

- (a) $8x-5$

- (b) $2x+13$
- (c) $7x^2+3x-8$
- (d) x^3-x^2+x-1

Q27 IF $5^{2n+1} \div 25 = 5^3$,Then find the value of n?

Q28 find 5 rational numbers between $\frac{1}{2}$ and $\frac{5}{7}$?

SECTION-E

Q29 Expand BMI.How to check BMI of a person?

Q30 Define obesity .What are the factors responsible for obesity among children?

Q31 What steps should be taken in order to control obesity?