KENDRIYA VIDYALAYA SANGATHAN, TINSUKIA REGION
SESSION ENDING EXAM (2018-19)
SUBJECT: MATHEMATICS

MAX. MARKS : 80   **CLASS : VI**   **DURATION : 2 HRS 30 Min**

General Instructions:
(i)   All questions are compulsory.
(ii)   This question paper contains 30 questions divided into four Sections A, B, C and D.
(iii)   Section A comprises of 6 questions of 1 mark each. Section B comprises of 6 questions of 2 marks each. Section C comprises of 10 questions of 3 marks each and Section D comprises of 8 questions of 4 marks each.
(iv)   Use of Calculators is not permitted

SECTION A (ONE MARKS EACH)

Q1   Collection of numbers gathered to give some information is

a) pictograph   b) data   c) histogram   d) bar graph

Q2   Give expression for-:p multiplied by -5

a) (-5p)   b) (5p)   c) (+5P)   d) (5xP)

Q3   The value of -3 - (-5) is

a) -2   b) 1   c) 8   d) 2

Q4   what will be the perimeter of a regular pentagon.
a) side x side   b) 5x side   c) 2 x side   d) side + side

Q5   Find the ratio of 500 ml to 2 litres.

a)1:2   b) 1:3   c) 1:4   d) 1:5

Q6   A scalene triangle has line of symmetry

a) 0   b)1   c)2   d) 3

SECTION B (TWO MARKS EACH)

Q7   State true or false

(a) The measure of an acute angle is less than 90^0 .
(b) The measure of an obtuse angle is less than 90^0 .

Q8   Rashid spent Rs 35.75 for maths book and Rs 32.60 for science book.

Find the total amount spent.

Q9   Write the letter (s) of the word 'MATHEMATICS' which have no line of symmetry.

Q10   Ravi purchased 5Kg 400g rice, 2Kg 20g sugar and 10 Kg 850 g Atta. Find the total weight of his

Purchases.

Q11   Give expression, If 11 is added to 2m.

Q12   Give two equivalent ratios of 6:4

SECTION C (THREE MARKS EACH)

Q13   Complete the table and find the solution to the equation M-7 =3

M	7	8	9	10	11
M-7	?	?	?		

Q14   Find the side of a square whose perimeter is 20m.

Q15   Divide Rs. 240 in the ratio 3 : 5

Q16   Construct with ruler and compasses, angles of following measures:

(a) 120° (b) 90°

Q17   Using the number line write the integer which is :

(a) 3 more than 5

(b) 5 more than –5

Q18   Consider the letters of English alphabets, A to Z. List among them the letters which have

(a)   vertical lines of symmetry

(b)   horizontal lines of symmetry

(c)   no lines of symmetry

Q19   Cost of a dozen pens is Rs 180 and cost of 8 ball pens is Rs 56. Find the ratio of the cost of a pen to the cost of a ball pen.

Q20   Convert using decimals:

(a) 75p into Rupees

(b) 3750 g into kg

(c) 12 m into Km.

Q21   With line PQ of length 6.4cm as diameter, draw a circle.

Q22   A bus travels at v km per hour. It is going from Daspur to Beespur. After the bus has travelled 5 hours, Beespur is still 20 km away.What is the distance from Daspur to Beespur?

Express it using v.

SECTION D (FOUR MARKS EACH)

Q23   Draw lines of symmetry for given figures and complete the following table.

Shapes	No. of lines of symmetry
Equilateral triangle	?
Squre	?
Rectangle	?
Isosceles triangle	?

Q24   What fraction of a clockwise revolution does the hour hand of a clock turn through when it goes from

(a)   3 to 9   (b)4 to 7   (c) 7 to 10   (d)6 to 3

Q25   Draw a line segment of length 5.5 cm and construct its perpendicular bisector.

Q26   Raju purchases 10 pens for Rs 150 and manish buys 7 pens for Rs 84. Can you say who got the pens cheaper?

Q27   Give expressions in the following cases:

  (a) 12 subtracted from z
  (b) n multiplied by 2 and 1 subtracted from the product
  (c) y multiplied by 10 and then 7 added to the product.
  (d) 5 times y to which 3 is added.

Q28   Prepare a pictograph for the given data taking one symbol ⊗ 10 animals

    Village A   80 animals
    Village B   120 animals
    Village C   90 animals
    Village D   40 animals

Q29   What is the cost of filling a rectangular piece of land 500m long and 200m wide at the rate of Rs 8 per hundred sq metres?

Q30   Number of persons in various age groups in a town is given below

Age group	1 -14	15 – 29	30 – 44	45 – 59	60 – 74	75 and above
Number of person	2 lakh	1 lakh60 thousand	1lakh 20 thousand	1lakh 20 thousand	80 thousand	40 thousand

Draw a bar graph to represent the above information and answer the following question

a)   Which two age group has same population?
b)   All person in the age group of 60 and above are called senior citizen. How many senior citizens are there in the town?

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