KENDRIYA VIDYALAYA AFS MANAURI (VARANASI REGION)

PT-I   (2017-18)

SUB-MATHS

CLASS-VIII

TIME-$1\frac{1}{2}$hrs   MM.40

<u>NOTE- Attempt all the questions</u>.

SECTION-A(M.C.Q)

(Q1.)   is not…….

(a) a natural number   (b) a rational number
(c) an integer   (d) a whole number

(Q2.)   a+b = b+a is called

   (a)commutative law of addition (b)associative law of addition

   (c)distributive law of addition   (d) none of these

(Q3.)   The root of the equation 2x+6=12 is

   (a)3   (b)2   (c)5   (d)6

(Q4.)   The sum of measures of three angles of a triangle is

   (a)90   (b)180   (c)360   (d)720

(Q5.)   How many diagonal does a triangle have?

   (a)0   (b)2   (c)4   (d)1

SECTION-B

(Q6.)   Write the additive inverse of $\frac{1}{2}$.

(Q7.)   Write any 3 rational numbers between –2 and 0.

(Q8.)   Represent these numbers on the number line. $\frac{7}{4}$.

(Q9.)   If you subtract1/2 from a number and multiply the result by 1/2 you get 1/8.
        What is the numbers

(Q10.)   Two numbers are in the ratio 5:3. If they differ by 18, what are the numbers?

(Q11.) Solve: $\dfrac{9x}{7-6x}=15$

SECTION-C

(Q12.) The ages of Hari and Harry are in the ratio 5:7. Four years from now the ratio of their ages will be 3:4. Find their present ages.

(Q13.) Find the number of sides of a regular polygon whose each exterior angle is 60.

(Q14.) The measures of two adjacent angles of a parallelogram are in the ratio 3 : 2. Find the of the angles of the parallelogram.

(Q15.) The perimeter of a rectangle is 13 cm and its width is $2\dfrac{3}{4}$ cm. Find its length.

(Q16.) The sum of three consecutive multiples of 11 is 363. Find these multiples.

SECTION-D

(Q17.) Construct a quadrilateral PQRS

where PQ = 4 cm, QR = 6 cm, RS = 5 cm , PS = 5.5 cm and PR = 7 cm.

(Q18). The shoppers who come to a departmental store are marked as: man (M), woman (W), boy (B) or girl (G). The following list gives the shoppers who came during the first hour in the morning:

**W W W G B W W M G G M M W W W W G B M W B G G M W W M M W W
W M W B W G M W W W W G W M M W W M W G W M G W M M B G G W**

Make a frequency distribution table using tally marks. Draw a bar graph to illustrate it.