Class – VI   Subject – Mathematics   Max Marks : 80

Q.1 Chose the correct answer

(i)   3×10000+0×1000+8×100+0×10+7×1 is same as

a) 30087   b) 30807   c) 3807   d) 3087

(ii) Which of the following is not defined

a) 5+0   b) 5-0   c) 5×0   d) 5÷0

(iii) LCM of 10,15 & 20 is

a)30   b)60   c)90   d) 120

(iv) One million =_____

a) 1 lakh   b) 10 lakh   c) 1crore   d) 10 crore
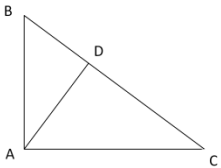
(v) The smallest composite number is

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

(vi) In a quadrilateral there are _____ number of diagonals

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

(vii) In the given figure $\angle BAC$ =90^0 and AD⊥ BC. The number of right triangles in the figure is

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

(viii) Numbers of integers lying between -1 and 1 is

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

(ix) The greatest integer lying between -10 and -15 is

a)-10   b) -11   c) -15   d) -14

(x) if $\frac{5}{8} = \frac{20}{p}$, the value of p is

a) 23   b) 2   c) 32   d) 16

Q. 2 Fill in the blanks.

(i) 400 is the predecessor of _____

(ii) Smallest whole number is _____

(iii) 10 million =_____ crore

(iv) 2 is the only _____number which is even.

(v) a polygon of 6 sides is called _____

(vi) A triangle with all its sides of unequal lengths is called a _____ triangle.

(vii) A pair of opposite sides of a trapezium are _____

(viii) (-11) +(-2) + (-1) =_____

(ix) (-10) _____ (-11) { <,>,=}

(x) Fractions with the same denominator are called _____ fractions.

Q. 3 Write True/ False

(i) 1 is the smallest whole number.

(ii) XXIX= = 31

(iii) Every number is a multiple of itself.

(iv) All numbers which are divisible by 4 may not be divisible by 8.

(v) All equilateral triangles are isosceles triangle.

(vi) Two parallel lines meet each other at some point some point.

(vii) In the right angled triangle, two angles are right angles.

(viii) All whole numbers are integers.

(ix)$\frac{25}{19} + \frac{6}{19} = \frac{31}{38}$

(x) Fraction $\frac{6}{15}$ is in lowest form.

Q.4 Give the answers of the following.

(i) How many prime numbers are there in between 1 to 20

(ii) Which type of number has only two factors i.e. 1 and itself

(iii) What will you get when you round off 831 by general rule.

(iv) write the smallest 4 digit number made by the digits 0, 2, 4 and 7 if each digit is used only one time.

(v) Which property is applied in the following statement

7 × 23 = 23 × 7

(vi) What is the measure of straight angle.

(vii)When a clock goes from 3 to 6 then how many right angles turned through by the hour hand of the clock.

(viii) Write the type of $\triangle ABC$ if $\angle B = 90^0$

(ix) Express $8\frac{1}{8}$ as an improper fraction.

(x) What is the opposite of 3km above the sea level.

Q.5 Insert commas suitably and write the names according to Indian system of numeration   (4)

a) 87595762   b) 48049831

Q.6 Find the value of :   297 × 17 + 297 × 3   (4)

Q.7 Determine the smallest 3 digit number which is exactly divisible by 6, 8 and 12   (4)

Q.8 Find 4 common multiples of 6 and 8   (4)

Q.9 Draw a circle and mark   (4)

a) a diameter   b) a sector   c) a segment   d) an arc

Q. 10 Draw the diagram (1 diagram each)   (4)

a) Closed curve   b) An open curve   c) A polygon   d) An open curve made by line segments

Q.11 Add without using number line   (4)

a) (-380) + (-270)   b) 217 + (-100)

Q.12 A piece of wire $\frac{7}{8}m$ long broke into two pieces. One piece was $\frac{1}{4}m$ long. How long is the other piece.   (4)

Q.13 Write four equivalent fractions of $\frac{3}{5}$ (4)

Q.14 match the following   (4)

a) straight angle   1. Less than one-fourth of the revolution

b) Right angle   2. More than half of the revolution

c) Acute angle   3. Half of the revolution

d) Reflex angle   4. One- fourth of the revolution