

**MONTFORT SCHOOL AMBIKAPUR**  
**SECOND TERM EXAMINATION 2020-21**

**CLASS – VII**

**SUB – MATH**

**MM – 80**

**Qu.1 Multiple choice questions : (5)**

- (i) Out of the following, which is a 3-D figure?  
(a) rectangle (b) square  
(c) cylinder (d) triangle
- (ii) The subtraction of 4 times of x from y is-  
(a)  $4x - y$  (b)  $y - 4x$   
(c)  $4y - x$  (d)  $4x + y$
- (iii)  $x = 7$  is the solution of the equation  
(a)  $x - 7 = 0$  (b)  $x + 7 = 0$   
(c)  $-7 - x = 0$  (d)  $-7 = x$
- (iv) In a right-angled triangle, the angles other than the right angles are  
(a) Obtuse (b) right  
(c) acute (d) straight
- (v) Value of  $(-1)^3$  is -  
(a) 3 (b) -3  
(c) 1 (d) -1

**Qu.2 Fill in the blanks : (5)**

- (i) Expression having one term is called \_\_\_\_\_ .
- (ii) If two angles are complementary, than the sum of their measures is \_\_\_\_\_ .
- (iii) A rectangle has \_\_\_\_\_ lines of symmetry.
- (iv) A triangle has \_\_\_\_\_ vertices.
- (v) The number \_\_\_\_\_ is neither positive nor negative rational number.

**Qu.3 State whether the following statements are True or False : (5)**

- (i) If we add a monomial and binomial, then answer can never be a monomial.
- (ii) Only one transversal can be drawn to two given lines.
- (iii) Through each vertex of triangle, an altitude can be drawn.
- (iv)  $6^5 > 2^3 \times 3^2$
- (v) Product of 3 x (-10) is 3.

**Qu.4 Use the sign or  $>$ ,  $<$  or  $=$  in the box to make the statements true. (5)**

- (i)  $(-8) + (-4)$    $(-8) - (-4)$
- (ii)  $(-3) + 7 - (19)$    $15 - 8 + (-9)$
- (iii)  $23 - 41 + 11$    $23 - 41 - 11$
- (iv)  $39 + (-24) - (15)$    $36 + (-52) - (-36)$
- (v)  $-231 + 79 + 51$    $-399 + 159 + 81$

**Qu.5 Answer the following questions :** **(10x2=20)**

- (i) One of the sides and the corresponding height of a parallelogram are 4 cm and 3 cm respectively. Find the area of the parallelogram.
- (ii) Write the number 279404 in expanded form.
- (iii) Reduce  $\frac{-8}{6}$  to its standard form.
- (iv) Find the circumference of the circles with the radius 14 cm.
- (v) Find the angle which is equal to its complement.
- (vi) Find the value of  $2^6$
- (vii) Convert the following equation in statement form  
$$x - 5 = 9$$
- (viii) Express 5,00,00,000 number in standard form.
- (ix) Express  $6 \times 6 \times 6 \times 6$  in exponential form.
- (x) If  $m=2$ , find the value of  $m - 2$

**Qu.6 Answer the following questions :** **(5x3=15)**

- (i) Find the area of the circle whose radius is 49 cm.
- (ii) Draw a number line and represent  $\frac{3}{4}$  on it.
- (iii) Subtract  $-5y^2$  from  $y^2$
- (iv) Simplify and express in exponential form  
 $2^0 \times 3^0 \times 4^0$
- (v) Express 405 as a product of powers of prime factors.

**Qu7 Answer the following questions : (any five)** **(5x5=25)**

- (i) A vehicle covers a distance of 43.2 km in 2.4 litres of petrol. How much distance will it cover in one litre of petrol?
- (ii) A three m wide path runs outside and around a rectangular park of length 125 m and breadth 65 m. Find the area of the path.
- (iii) Find the area of square park whose perimeter is 320 m.
- (iv) The sum of three times of a number and 11 is 32. Find the number.
- (v) Simplify combining like terms –  
 $21b - 32 + 7b - 20b$
- (vi) Which one is greater  $8^2$  or  $2^8$ ?
- (vii) Diameter of a circular garden is 9.8 m. Find its area.

== Good Luck ==