

PT-2/HALF YEARLY EXAMINATION, 2022-23
MATHEMATICS

Time - 07:15 AM to 10:20 AM

Class - VI

M.M. : 80

Date – 07.09.2022 (Wednesday)

Name of the student _____ Section _____

GENERAL INSTRUCTIONS:

- This question paper is divided into four Sections A, B, C and D.
- Section A consists of 14 Questions (MCQs and fill in the blanks) of 1 mark each. Attempt all the questions.
- Section B consists of 8 questions of 2 marks each. Attempt all the questions.
- Section C consists of 6 questions of 4 marks each. Attempt any 5 questions.
- Section D consists of 8 questions of 5 marks each. Attempt any 6 questions.

SECTION – A

Q1. Choose the correct option. (10x1=10)

- i) How many lakhs make ten million?
a) 10 b) 100 c) 1000 d) none of these
- ii) Sixty six million six hundred twenty six thousand four hundred thirty in numeral is
a) 66026430 b) 60626430 c) 66626430 d) 66662430
- iii) The whole number occurring just before 20000 is
a) 20001 b) 20002 c) 19999 d) 19998
- iv) Which of the following will not represent zero?
a) 5×0 b) 0×0 c) $12 \div 0$ d) $0 \div 7$
- v) The sum of any two odd numbers is always an
a) odd number b) prime number c) even number d) none of these
- vi) HCF of two consecutive even numbers is always
a) 1 b) 2 c) 3 d) none of these
- vii) A simple closed curve made up of only line segments is called a
a) angle b) circle c) polygon d) none of these
- viii) The correct statement is
a) Every diameter of a circle is also a chord.
b) Every chord of a circle is also a diameter.
c) All the diameters of a circle are different in length.
d) All the chords of a circle are same in length.

- ix) Number of diagonals in a Pentagon is
a) 4 b) 5 c) 6 d) 7
- x) 4 less than (-2) is
a) 2 b) (-2) c) 6 d) (-6)

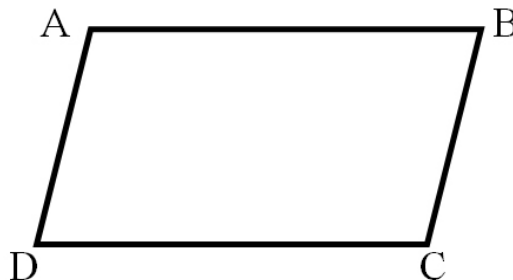
Q 2. Fill in the Blanks. **(4x1=4)**

- i) Smallest composite number is _____.
- ii) An angle whose measure is the sum of the measures of two right angles is _____ angle.
- iii) All the sides of a rhombus are of _____ length.
- iv) The greatest negative integer is _____.

SECTION – B

Q 3. Write the answers. **(8x2=16)**

- i) Write 99 in Roman numerals.
- ii) How many whole numbers are there between 23 and 39?
- iii) Express 18 as sum of two odd prime numbers.
- iv) In the adjacent figure ABCD is a quadrilateral. Write two pairs of its opposite sides.



- v) Which direction will you face if you start facing north and make $\frac{1}{2}$ of a revolution?
- vi) Write opposite of 'Gain of Rs 900'.
- vii) Which one is greater $(-15 + 9)$ or $(-27 - 5)$? (Show calculation)
- viii) Write two negative integers greater than (-18) .

SECTION – C

Solve ANY FIVE questions. **(5x4=20)**

- Q4.** Ramesh multiplied 2345 by 54 instead of multiplying by 45. By how much was his answer greater than the correct answer?
- Q5.** Find the value by using suitable property.
 $8674 \times 65 + 8674 \times 35$
- Q6.** Find the HCF of 20, 24 and 36.

- Q7.** Draw a rough sketch of a ΔPQR .
- Write the names of any two angles of the triangle.
 - Write the names of any two line segments.

Q8. Match the following:

- | | |
|-------------------|--|
| a) Straight angle | i) Less than one fourth of a revolution. |
| b) Right angle | ii) Between one fourth and half of a revolution. |
| c) Acute angle | iii) Half of a revolution. |
| d) Obtuse Angle | iv) One fourth of a revolution. |

Q9. Find: (Show the Calculation)

$$(-12) + 45 - (-72)$$

SECTION – D

Solve ANY SIX questions.

(6x5=30)

- Q10.** Estimate $4870 + 15569$ by rounding off each number to the nearest hundreds.
- Q11.** Find using distributive property
 5275×102
- Q12.** Find the least number which when divided by 6, 15 and 18 leave remainder 7 in each case.
- Q13.** Draw a circle of radius 3cm and mark
- a radius
 - a diameter
 - a chord
 - a sector
- Q14.** Name the types of the following triangles.
- ΔPQR with $m\angle P = 40^\circ$, $m\angle Q = 60^\circ$ and $m\angle R = 80^\circ$
 - ΔABC such that $AB = BC = AC = 5$ cm
 - ΔMNP with $m\angle N = 90^\circ$
 - ΔXYZ with $m\angle Y = 90^\circ$ and $XY = YZ$
 - Triangle with lengths of sides $PQ = 9.5$ cm, $PR = 7$ cm and $RQ = 6$ cm
- Q15.** Fill in the blanks with $>$, $<$ or $=$ (Show the calculation)
 $(-35) - (-63)$ _____ $(-59) - (+82)$
- Q16.** The number of sheets of paper available for making notebooks is 82000. Each sheet makes 8 pages of a notebook. Each notebook contains 160 pages. How many notebooks can be made from the paper available?
- Q17.** Two tankers contain 675 litres and 825 litres of kerosene oil respectively. Find the maximum capacity of a container which can measure the kerosene oil of both the tankers when used an exact number of times.

