Marks: 20
Due Date: 03 - 05 - 2024

Q1: Write in set builder notation.   Marks = 6

A = Set of first 10 Natural Numbers.

B = Set of positive odd numbers up to 40.

$C = \{-2, -1, 0, 1, 2, 3\}$

Q2: Find AUB and A∩B for $A = \{2,4,6,8,10,12,14,16\}$ and $B = \{12,13,14,15,16\}$.

Marks = 4

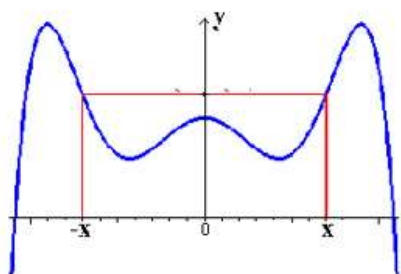**Q3:** Evaluate $(2 + 2i)(1 - i)$.   Marks = 3

Q4: Evaluate $\dfrac{3+5i}{1+i}$.   Marks = 4
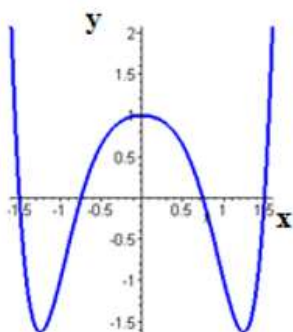
Q5: Determine from the given graphs whether these functions are even or odd. Give Justification.

(a)   (b)   (c)