

**NUMERICAL METHODS**  
**BSIT-S-T-3A-T**  
**SEATWORK 4**

**Name:**  
**Week No.:**

**Date:**  
**Seat No.**

**Directions:** Solve the following problems. Write your solution in the yellow paper. No solution means wrong.

**Question:**

1. Determine the root of equation  $f(x)=x^3+10x^2-12$  by using false position method at least five iterations. (10 points)
2. Find the root of the equation  $f(x) = 2x^2 - 3x - 4$  by using Newton Raphson method at least five iterations. (10 points)
3. Solve for the root of equation  $f(x) = 3x^3 - x - 1$  by using secant at least four iterations where  $a=-1$  and  $b=1$ . (10 points)