Assignment – II

1. Find an approximate root of equation $x\sin x - 1 = 0$, correct to three decimal places by bisection method

2. Obtain root correct to three decimal places by bisection method

   (i) $x^3 + x^2 - 1 = 0$ (ii) $5x \log_{10} x - 6 = 0$

   (iii) $x^3 + x^2 + x + 7 = 0$ (iv) $x \tan x + 1 = 0$

3. Use method of false position to find real root, correct to three decimal places

   (i) $x^2 + x - \cos x = 0$ (ii) $x^3 - x - 4 = 0$

   (iii) $x^3 - 5x + 3 = 0$ (iv) $1 + \cos x - 3x = 0$