2316 85 Class BCA & BSc (IT) - Sem II Subject - Numerical Methods & Statistical Techniques Paper - III Time Allowed: 3 Hours Maximum Marks: 75 Note:-Attempt any 5 questions Discuss the various types of Errors that occur 1.(a) while performing numerical computations. Given that root of non-linear equation (b) $X^3 - X - 4 = 0$ lies in the fourth interval (1.0, 2.0). Find the root correct to three decimals using false position method. Solve using Gauss Elimination Method X + Z = 10Y + X = 915 Z+Y=11Calculate the approximate value of 3. (a) by taking 7 ordinates by using Simpson's $\frac{3}{8}$ Rule. 85/2

