

COPYWRITE RESERVED

MCA(3) CS-33



2007 (Dec)
Internal Assessment Test
Time – 1 Hr
Full Marks : 20

Candidate are required to give their answer in their own words as far a practicable .The questions are of equal value

Answer any two questions

Q.No(1) Solve the following system of equation by using any method that you have read.

$$2x+y+z=10$$

$$3x+2y+3z=18$$

$$X+4y+9z=16$$

Q.No(2) Find the roots of $x^2-4x-9=0$ by using Bisection Method.

Q.No(3) Solve the following equation for $x=0.2$ by using Runge-Kutta method.

$$dy/dx= x+y+xy \text{ given } y=1 \text{ for } x=0 \text{ using } h=0.1.$$

Q.No(4) Evaluate $\int_0^6 1/(1+x) dx$ by using Simpson's $1/3^{\text{rd}}$ rule.