CBNST-TMA-402 Subjective

Marke-40 I hour Time! Attempt all Orustions Evaluate (Topo da using Simpson's & rul 0, 1 by taking, 9 ordinates. Using Runge-Kutta method of fourth order, polv $\frac{dy}{dx} = \frac{y^2 - x^2}{y^2 + x^2} \text{ with } y(0) = 1 \text{ at } x = 0.2, 0.4$ 0,2 fit a Second degree parabola y= a+bx +cx2 in the following data (50:4): (-1,2), (0,0), (0,1),

Suppose that $f(x) = \sin x$ to be approximated on [0,1] by an interpolating polynomial on [0,1] by an interpolation [0,1] by an interpolation [0,1] at most [0,1] at most [0,1]