# FAKIR CHAND COLLEGE

INTERNAL EXAMINATION SEMESTER- VI , 2021

SUBJECT :**COMPUTER SCIENCE**

**PAPER :** CMS-G-DSE-B-6-3-P

Computational Mathematics Lab.

**F.M : 10**

## (Answer any five questions)

a) Mention diff. types of error.          2

b) What is Interpolation ?          2

c) Solve the equation $e^x - 4x = 0$ using Newton-Raphson iteration.    2

d) Where is Gauss elimination method used?        2

e) Find the root of $x^4-x-10 = 0$ approximately upto 5 iterations using Bisection Method. Let a = 1.5 and b = 2.        2

f) What is weighted graph ?          2

g) What is composite trapezoidal rule?        2