

BIRLA INSTITUTE OF TECHNOLOGY OFF-CAMPUS DEOGHAR
DEPARTMENT OF MATHEMATICS
(1st QUIZ EXAMINATION)

CLASS: BTech
BRANCH: ALL

SEMESTER : 4th

SESSION : SP/25

SUBJECT: MA 203 NUMERICAL METHODS

TIME: 12:00 Noon to 01:00PM

FULL MARKS: 10

	Marks
Q1. Describe the working procedure of Bisection Method (geometrically preferable). What is $\sqrt[3]{41}$ up to 3 decimal places using this method?	2+3
Q2. Establish Newton-Raphson method geometrically. Solve $\cos x - x e^x = 0$ up to 4 decimal places using this method.	2+3

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