

BRAC UNIVERSITY
Department of Computer Science and Engineering

Quiz 02
Semester: Summer 2024

Duration: 20 min
Full Marks: 10

Name:	ID:	Section:
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CSE 330: Numerical Methods

1. [CO3] Consider the following table of data points/node points:

x	f(x)
0	7.5
4	12.56
7	16.65
10	21
12	26.12
15	30.5

(a) (5 marks) Compute $P_2(11)$ using Newton's Divided Difference Method.

(b) (5 marks) Find $P_3(x)$ using the given data using any applicable interpolation technique you have learnt so far.