



Daffodil International University
Department of Electrical and Electronic Engineering
Faculty of Engineering
Class Test 2

Course Code: 0713-215
Section: C
Full Marks: 15

Course Title: Electrical Properties of Materials
Level-Term: L2-T1
Exam Date: February 19, 2025

Teacher's Initial: AKB
Time: 20 min

- Q1. Explain shortly on- CO-1 5
a. Unit Cell C(2)
b. Lattice Parameter
- Q2. Consider the BCC unit cell of the Iron crystal shown in the figure: CO-1 10
C(1)



- a) Find the number of atoms per unit cell.
b) Find Atomic Packing Factor.
c) Find the atomic concentration in Fe and the density of Iron crystal given that the radius of Fe is 0.194 nm.