



বাংলাদেশ আর্মি ইন্টারন্যাশনাল ইউনিভার্সিটি অব সায়েন্স এন্ড টেকনোলজি, কুমিল্লা
BANGLADESH ARMY INTERNATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY (BAIUST), CUMILLA

Class Test-2, Fall 2025

Department of Computer Science and Engineering

Level-1 Term-I

Course Code: CSE 113

Course Title: Discrete Mathematics

Exam Duration: 20 minutes

Full Marks: 10

- a. Let $A = \{a, b, c, d\}$ and $B = \{y, z\}$. Find, [CO2 → C2] [05]
- a) $A \times B$.
 - b) $B \times A$
 - c) A^2
- b. Define the followings using an example: [CO2 → C1] [05]
- I. Power set
 - II. Cardinality of the set.