



EAST WEST UNIVERSITY
Department of Computer Science and Engineering
B.Sc. in Computer Science and Engineering Program
Quiz-1, Spring 2022 Semester

Course: CSE 106: Discrete Mathematics. Section-06
Instructor: Md Moniruzzaman
Full Marks: 15
Time: 15 Minutes

Note: Additional 5 minutes will be provided for submission of the script after the exam is over.

Q1 A knight always tells the truth, and a Knave always tells a lie. Given the following the conversation find out the type of the person A and B. If multiple solution exists, find all of them. If there is no solution, mention that “solution does not exist”. 10

A: I am knight and B is not.

B: A is not knight

A: At least one of us is knight

Q2 Represent the following compound proposition using logic gates.
 $\neg (A \vee B) \wedge \neg C$ 5