**BRAC UNIVERSITY**

**Department of Computer Science and Engineering**

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| Examination: Quiz  Duration: 15 minutes | Semester: Summer 2023  Full Marks: 10 |

CSE 422: Artificial Intelligence

Answer the given question

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| Name: | ID: | Section: |

**Question 1**

Mr. Z has bought a lie detector machine which caught a person telling the truth. The machine can properly detect lie 94% of the time and can properly detect truth 93% of the time. If stats say that around 8% people are liar in general, what is the probability of the person speaking truth?