

PRIMEASIA UNIVERSITY
Department of Computer Science & Engineering
Class Test Examination, Summer Semester, 2020

Course No. : CSE 333

Full Mark: 15

Course Title: Artificial Intelligence

Time: 25 mins

There are *Three* questions listed below. You should answer all the questions. Figures in the right-hand margin indicate full marks.

1. Draw a decision tree from the following dataset which predicts if people pass machine learning course (Yes or No), based on their previous GPA (High, Medium, or Low) and whether or not they studied. **[9]**

GPA	Studied	Passed
L	F	F
L	T	T
M	F	F
M	T	T
H	F	T
H	T	T

2. Differentiate probability theory with propositional logic. **[3]**

3. Is Decision Tree algorithm a classification technique or regression technique of supervised learning? Justify your answer. **[3]**