

University of Asia Pacific
Dept. of Computer Science and Engineering
Class Test – 01, Spring-21

Course Code: CSE 403 (B)
Total Marks: 20

Course Title: Artificial Intelligence and Expert Systems
Time: 40 (30+10) Min

Answer the following questions:

1. What is rational agent? How AI is different from machine learning and deep learning? 6
3. Suppose, you are developing an intelligent agent for diagnosis Covid-19. 6+8
 - a. Describe the PEAS for the agent "Covid-19 Diagnosis System".
 - b. Determine each of the following properties of this task environment:
 - i) fully observable or partially observable, ii) deterministic or stochastic, iii) episodic or sequential, iv) static, dynamic, or semi-dynamic v) discrete or continuous, vi) single agent or multi-agent. Explain your answer with your own logic.