2510E435

Candidate's Seat No :_____

B.C.A. Sem-6 Examination
CC 309
Introduction to AI & ML
October 2021

Time : 2-00 Hours]

[Max. Marks : 50

Instructions:

All Questions in Section – I carry equal marks
Attempt any Two questions in Section – I
Question V in Section - II is Compulsory

SECTION-1

Q-1. A) Discuss how AI can be used to create a new health care market.   10

Q-1. B) Draw and explain the structure of agent.   10

Q-2. A) Discuss Iterative deepening DFS.   10

Q-2. B) Explain A* search for minimizing the total estimated solution cost.   10

Q-3. A) Write a short note on page rank algorithm.   10

Q-3. B) List and explain the applications of natural language processing.   10

Q-4. A) Discuss the areas of machine learning.   10

Q-4. B) Differentiate between Supervised and Unsupervised ML by giving example.   10

SECTION-2

Q-5 Choose the correct option: 10

1. The _____ Test, proposed by Alan Turing, was designed to provide a satisfactory operational definition of intelligence.
   a. Turing
   b. Turning
   c. Testing
   d. None of these

2. NLP stands for _____.
   a. Natural Learning Processing
   b. Natural Language Processing
   c. Neural Language Processing
   d. Neural Language Processor

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3. _____ is used to adapt to new circumstances and to detect and extrapolate patterns.

   a. Knowledge Representation   c. Machine Learning

   b. Knowledge Processing   d. None of these

4. AI can be used to perform _____ activities.

   a. Speech Recognition   c. Spam Fighting

   b. Game Playing   d. All of these

5. _____ interact with environments through sensors and actuators.

   a. Agent   c. Both Agent and Assistant

   b. Assistant   d. None of these

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