

2111040102010002
EXAMINATION MARCH-APRIL 2024
MASTER OF COMPUTER APPLICATION
(SECOND SEMESTER)
ARTIFICIAL INTELLIGENCE (COURSE-201)
- LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 70]

Instructions:

- 1. Fill up strictly the following details on your answer book**
 - a. Name of the Examination : **MASTER OF COMPUTER APPLICATION (SECOND SEMESTER)**
 - b. Name of the Subject : **ARTIFICIAL INTELLIGENCE (COURSE-201) – LEVEL 1**
 - c. Subject Code No : **2111040102010002**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

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|------------|---|-----------|
| Q.1 | | 14 |
| | A. Describe the history of AI | 6 |
| | B. What do you understand by Turing problem? | 5 |
| | C. What is the difference between knowledge and knowledge base? | 3 |
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| Q.2 | | 14 |
| | A. Write a note on Associative Networks. Explain with an example. | 6 |

OR

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|--|---|----------|
| | A. Explain Depth first search algorithm in detail. | 6 |
| | B. Explain Conceptual dependency in detail. | 5 |
| | C. Explain Hill Climbing Search algorithm in brief. | 3 |

Q.3	14
A. Explain De Morgan's Law and Elimination Rule.	6
B. Define Uncertainty. What is Conditional probability?	5
C. Explain Baye's rule in brief.	3

Q.4	14
A. Explain ISA Relationship in detail.	6

OR

A. Explain Breadth First Search algorithm in detail.	6
B. Explain Rote Learning and Analogical Learning.	5
C. What is Knowledge Gathering?	3

Q.5	14
A. Explain scripts in AI in detail with example.	6

OR

A. What are the applications of AI in Natural Language Processing?	6
B. Describe the characteristics of expert system.	5
C. What are possible causes of errors that may occur in an Expert System?	3
