

SECTION -B (ESSAY TYPE QUESTIONS)

(5x10=50 Marks)

1. What is the difference between Strong Artificial Intelligence and Weak Artificial Intelligence?
2. Explain in detailed the knowledge representation using rules.
3. Explain the heuristic search algorithm with an example
4. Describe Alpha-Beta pruning and give the other modifications to minimax procedure to improve its performance.
5. Explain how Bayesian statistics provides reasoning under various kinds of uncertainty
6. Explain with an example learning in Decision Trees.
7. What are common uses and/or applications for AI. Explain in brief.
8. Describe the relationship between machine learning and artificial intelligence?

—END OF PAPER—

2019

2112E014

BACHELOR OF VOCATION (RBA)
Subject: Fundamentals of Artificial Intelligence
Subject OET 701
Semester: Fifth
December 2021
Theory (External): 70 Marks
Time: 03 Hours

Instructions to the Students

1. This Question paper consists of two Sections .All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature .All questions are compulsory .Each question carries 2 mark.
3. Section B comprises 8 essay-type questions out of which students need to do any 5 .Each question carries 10 marks .
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labeled

Roll Number

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SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)

(10x2=10 Marks)

1. What is the full form of "AI"?
 - a) Artificially Intelligent
 - b) Artificial Intelligence
 - c) Artificially Intelligence
 - d) Advanced Intelligence
2. Who is known as the -Father of AI"?
 - a) Fisher Ada
 - b) John McCarthy
 - c) Alan Turing
 - d) Allen Newell
3. The application/applications of Artificial Intelligence is/are
 - a) Expert Systems
 - b) Gaming
 - c) Vision Systems
 - d) All of the above
4. Which of the given language is not commonly used for AI?
 - a) LISP
 - b) Perl
 - c) PROLOG
 - d) Python
5. _____ number of informed search method are there in AI
 - a) 1
 - b) 2
 - c) 3
 - d) 4
6. The total number of recognition in artificial intelligence are
 - a) 1
 - b) 2
 - c) 3
 - d) 4
7. Which of the following is the branch of AI?
 - a) Machine Learning
 - b) Cyber forensics
 - c) Full-Stack Developer
 - d) Network Design
8. A technique that was developed to determine whether a machine could or could not demonstrate the artificial intelligence known as the ____
 - a) Boolean Algebra
 - b) Turing Test
 - c) Logarithm
 - d) Algorithm
9. Which of the following is a component of AI?
 - a) Learning
 - b) Designing
 - c) Training
 - d) Puzzling
10. Define Heuristic function.