

# GOVERNMENT POLYTECHNIC JHAJJAR

## Computer Engineering Department

Subject(Code):MOOC-AI(220155)  
Semester: 5th

Date:09.12.2024  
Time: (3 hrs)

SECTION A (attempt all 6 questions)-MCQs (6*1=6Marks)		
Q. No.	Questions	Marks
Q1.	What is the full form of AI? a). Artificially Intelligent b). Artificial Intelligence c). Advance Intelligence d). Artist Interface	1 1
Q2.	The performance of an agent can be improved by _____ a). Learning b). Observing c). Perceiving d). None of the above	
Q3.	Fuzzy set theory defines fuzzy operators choose the fuzzy operators from the following. A). AND b). OR c). NOT d). All of the above.	1
Q4.	What is field of Natural Language Processing (NLP)? a). Computer Science b). Artificial Intelligence c). Linguistic d). All of the above	1
Q5.	What is the name for space inside which a robot unit operator? a). Environment b). Spatial base c). Work envelope d). Exclusive zone	1
Q6.	First who coined the work Robotics. a). Isaac Asimov b). Jone McCarthy c). Alan Turing d). None	1
SECTION B (attempt all 6 question) – objective type		
Q7.	NLP is concerned with the interations between computers and human (natural) languages (True/False)	1
Q8.	Fuzzy logic is extension of handling the concept of partial truth. (True/False)	1
Q9.	What is ANN?	1
Q10.	NLP Stands for _____	1
Q11.	_____ is a method of reasoning that resembles human reasoning	1
Q12.	What is Turin Test?	1
SECTION C (attempt 8 questions out of 10) - Answer Types (4*8=32 marks)		
Q13.	What is Artificial Intelligence and how is it different from machine leaning.	4
Q14.	What are the various applications of AI?	4
Q15.	What is expert system. Write its characteristics.	4
Q16.	What are the challenges or issues in Artificial intelligence.	4
Q17.	What is intelligence? Explain various type of intelligence.	4
Q18.	Explain various search terminology	4
Q19.	What is Fuzzy logic? Write its advantages and disadvantages.	4
Q20.	What is Robot locomotion?	4
Q21.	Explain various components of Expert System. Write the application natural network.	4
Q22.	Describe the structure of Intelligent Agents	4
SECTION D (attempt any 2 questions out of 3) - Long Answer Type (2*8=16 marks)		
Q23.	Explain basic structure of artificial neural network and its types?	8
Q24.	Explain various search algorithms in AI?	8
Q25.	What is Robotics? Differentiate between Robot system other AI program Also write the various application of robotics.	8