GOVERNMENT POLYTECHNIC JHAJJAR

Computer Engineering Department

Subject(Code):MOOC-AI(220155) Date:09.12.2024

Semester: 5th Time: (3 hrs)

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