



NATIONAL OPEN UNIVERSITY OF NIGERIA
91 CADASTRAL ZONE NNAMDI AZIKIWE EXPRESSWAY, JABI ABUJA
FACULTY OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE
2024_2 EXAMINATION

COURSE CODE: CIT 478

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COURSE TITLE: ARTIFICIAL INTELLIGENCE

COURSE UNIT: 2

TIME: 2HRS

INSTRUCTION: ANSWER QUESTION ONE AND ANY TWO (2) QUESTIONS

1. Explain the following Terms **(15 marks: 3 marks each):**
 - i. Cognitive AI
 - ii. Game Tree
 - iii. Statistical NLP
 - iv. Knowledge Engineering
 - v. Computer vision
1. (b) State the algorithm of the search process **(10 marks)**
 - (c) Highlight five famous AI systems **(5marks)**
2. (a) Enumerate the types of AI Search Techniques **(8marks)**
 - (b) In what techniques can knowledge be represented? **(12marks)**
3. (a) List and explain the features of frame based knowledge representation languages **(12marks).**
 - (b) Enumerate areas of LISP application **(8marks).**
4. (a) Mention the major task of NLP **(14marks).**
 - (b) Establish the differences between information retrieval and information extraction in NLP **(6marks).**
5. (a) Highlight on the goal of NLP Evaluation **(12marks)**
 - (b) Discuss the type of database for knowledge management **(8marks).**