



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2024 1 EXAMINATION.

COURSE CODE : CIT 304
COURSE TITLE : Data Management
CREDIT UNIT : 3
TIME ALLOWED : 2½ HOURS
INSTRUCTION : Answer Four Questions in All. Question 1 is compulsory

- 1.
- a) Why are images/pictures classified as data? *[6 marks]*
 - b) What processes do we need to consider during the construction of data from symbols?
[3 marks]
 - c) All systems are similar in certain aspects such as mutual interdependence meaning they share some features. Concisely discuss about these features. *[6 marks]*
 - d) What is the relationship between Language and Illiteracy? *[6 marks]*
 - e) Give examples of devices that CPUs accept data from. *[4 marks]*
- 2.
- a) The understanding that “words do not directly represent information” means that information derived from a set of words by a person may differ from that obtained by another person. Explain this concept. *[5 marks]*
 - b) Discuss the reasons data policies are formulated *[3 marks]*
 - c) Explain the difference between subject search and topical search. *[2 marks]*
 - d) Illustrate with instances, elucidate how natural languages can be employed for the purpose of organizing data. *[5 marks]*
- 3 a) How does Knowledge management expand knowledge? *[2 marks]*
Describe the functionality of data models *[2 marks]*
Using Cooking Oil as an example, determine how Data Aggregation during collection differ from that after collection? *[6 marks]*
Explain how the office you work in is a subsystem in an organization using it as an example. *[4 marks]*
- 4.
- a) Briefly discuss the uses of information system resources for data management *[6 marks]*
 - b) Concisely define the stages or activities associated with data collection. *[4 marks]*
 - c) What aspects of language are tied to knowledge of symbols and rules/usage of the language? *[6 marks]*