NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91 CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2022_2 EXAMINATIONS

COURSE CODE: CIT801
COURSE TITLE: FOUNDATION OF INFORMATION AND COMMUNICATION TECHNOLOGY
CREDIT: 3 UNITS
TIME ALLOWED: 2½ HOURS
INSTRUCTIONS: ANSWER QUESTION 1 AND ANY OTHER FOUR (4) QUESTIONS
Q1 – 22 marks, 4 others 12 marks each

Q1.
  (a) Discuss three main ways in which information may be classified.   (6 marks)
  (b) Justify the need to process data and information   (3 marks)
  (c) Mention and give examples of the four categories of computer hardware (8 marks)
  (d) Identify the five (5) activities that may be performed on the internet.   (5 marks)

Q2.
  (a) Briefly explain the following terms:
        i.   Database Normalization   (2 marks)
       ii.   Cache Memory   (2 marks)
      iii.   Expansion Slot   (2 marks)
       iv.   Database Administrator (DBA)   (2 marks)
  (b) Differentiate between Local Area Networks and Wide Area Networks   (4 marks)

Q3.
  (a) Explain the four (4) types of systems program   (8 marks)
  (b) Describe the Central Processing Unit and identify two of its main functions
          (4 marks)

Q4.
  (a) Describe a communication network?   (2 marks)
  (b) Discuss three (3) main advantages of using networks?   (6 marks)
  (c) List four (4) common networking devices.   (4 marks)

Q5.

(a) Differentiate between flat database and relational database.   (4 marks)

(b) List the four (4) major determinants of computer speed.   (4 marks)

(c) Identify four (4) data collection techniques commonly used by system analysts.
                                                                                                              (4 marks)

Q6.
(a) Mention four (4) main objectives of Database Management Systems   (4 marks)

(b) Distinguish between e-mail, instant message, and chat session.   (6 marks)

(c) When was the WWW launched and where?   (2 marks)