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Plot 91, Cadastral Zone, University Village, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2023_1 EXAMINATION
Course Code: CIT421
Course Title: NET-CENTRIC COMPUTING
Credit: 3 units
Time allowed: 3 Hours
Instruction: Answer Questions **ONE (1)** and any other **THREE (3)** Questions

QUESTION 1
1a. Enumerate the three key focuses that serve as the bedrock of network security **(6marks)**
1b. What exactly is the interest of a Message-passing System? **(6Marks)**
1c. Identify and describe the benefits of network security. **(10marks)**
1d. In the context of communication, define mobile computing. **(3Marks)**

TOTAL = 25MARKS

QUESTION 2

2a. Itemize any seven (7) of the steps involved in building a web application. **(7Marks)**
2b. Describe the various Architectural Models of Distributed Computing. **(8Marks)**

TOTAL = 15MARKS

QUESTION 3

3a. Briefly discuss the concept of Client Server category of networks. **(3Marks)**

3b. Itemise any six (6) tools/techniques used for securing networks. **(3marks)**

3c. Discuss the tools and techniques stated in question 6b. **(6Marks)**

3d. Outline any three (3) common techniques used in email forensic investigation. **(3Marks)**

QUESTION 4

4a.   Define the term 'client'. **(2marks)**

4b.   Discuss the significance of developing the frontend of a web app.
(4marks)

4c.   What exactly is the interest of a Message-passing System? **(7Marks)**

4d.   State the primary roles of the backend in web application. **(2marks)**

                                        TOTAL = 15MARKS

QUESTION 5

5a.   Enumerate any five (5) purpose (s) for rendering a program evaluation.
(5Marks)

5b.   Define the term 'Email forensic'. **(1mark)**

5c.   Discuss three (3) advantages and disadvantages each of client server
computing. **(9Marks)**

                                        TOTAL = 15MARKS

QUESTION 6
6a.   Define the term 'client'. **(2marks)**
6b.   Give a concise definition of the term 'Email forensic'. **(2 mark)**
6c.   What does a backend imply and what are the primary roles of the
backend? **(6marks)**
6d.   Outline the characteristics of digital forensics. **(5marks)**

                                        TOTAL = 15MARKS