2024 I EXAMINATION

| Course Code: | CIT801 |
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| Course Title: | Foundation of Information and Communication Technology |
| Credit Unit: | 3 |
| Time Allowed: | 21/2 |
| Instruction: | Answer Question 1 and any other three (3) questions |

| | | | 25 marks |
|-----------------------|------------|---|-----------|
| Q1 | | Explain the concept of Information and Communications Technology. | (4 marks) |
| | b. | to the state of a computer | (9 marks) |
| | c. | * I.B. T.F. I.B. 1971 1970 | (3 marks) |
| | d | | (6 marks) |
| | e. | | (3 marks) |
| Q2 | | | 15 marks |
| - | a. | Differentiate between computer hardware and computer software | (4 marks) |
| | b. | What is an IT Procedure? | (2 marks) |
| | c, | Discuss three IT procedures you are familiar with. | (9 marks) |
| Q3 | | | 15 marks |
| Ų3 | 5.45 | Distinguish between an operating system and an application program | (4 marks) |
| | b. | Briefly describe the concept database | (2 marks) |
| | c. | Enumerate the steps for developing database applications | (5 marks) |
| | d. | What is database normalization and why is it important? | (4 marks) |
| Q4 | | | 15 marks |
| | a. | Explain the internet? How has it transformed communication and information sharing? | (5 marks) |
| | b. | Discuss the following e-commerce types (i) Business-to-consumer (ii) Consumer-to-consumer | (6 marks) |
| | c, | Network communications mediums that link different components of a network could be physical or wireless. Mention two examples for each medium. | (4 marks) |
| Q5 | | | 15 marks |
| | a . | Explain any three of the layers the seven layers of the OSI (Open Systems Interconnection) model | (9 marks) |
| | b. | Briefly describe a database management system (DBMS)? | (4 marks) |
| | c. | Identify any two basic elements of an email message | (2 marks) |
| Q6 | | | 15 marks |
| (1 110 00) | a. | Describe the major functions of the central processing unit? | (4 marks) |
| | ь. | What is a computer network and why is it important? | (5 marks) |
| | C. | Explain the key difference among LAN, WAN, and MAN. | (6 marks |
| | | explain the key difference among chiri, whit, and white. | (O mans |