COURSE CODE: CIT 701
COURSE TITLE: Foundation of Information and Communication Technology
CREDIT: 3 Units
TIME ALLOWED: 2½ **Hours**

INSTRUCTION: Answer Question ONE (1) and any other THREE (3) Questions

1a. What is Information Communication Technology (ICT)? Why is ICT relevant in today's society. (6 marks)
1b. Identify the basic components that make up a computer system (9 marks)
1c. Name 4 antivirus that you know (4 marks)
1d. How do you ensure IT service reliability? (6 marks)

2a. List 6 way in which information can be transmitted   (3 marks)
2bi. Explain the concept of cloud computing and how it is transforming organizations today.(4 marks)
2bii. Define Grid Computing? (3 marks)
2c. Discuss three differences between storage and memory. (6 marks)

3a. What is a database?   (3 marks)
3b. List any three types of databases (3 marks)
3c. What are the different levels of database normalization? (6 marks)
3d. What do you understand by the term network channels? (3 marks)

4a. List out the seven layers of the OSI model (7 marks)
4b. List the four types of wireless communication networks .(4 marks)
4c, Outline (4) four common features of application software (4 marks)

5a. Identify the main functions of the Internet. (4 marks)
5b. Identify any two basic elements of an email message (2 marks)
5c. What are the measures put in place to avoid software piracy? (9 marks)

6a. What are the major functions of the central processing unit? (4 marks)
6b. What is a computer network and why is it important?   (5 marks)
6c. Explain the difference between LAN, WAN, and MAN (6 marks)