

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS**

**SCHOOL OF SCIENCE AND TECHNOLOGY**

**JUNE/JULY EXAMINATION**

**COURSE CODE: CIT701**

**COURSE TITLE: FOUNDATION OF INFORMATION AND COMMUNICATION TECHNOLOGY**

**TIME ALLOWED:3 Hours**

**INSTRUCTION: Answer Any Five Questions**

1a. What is Information and Communication Technology (ICT)? 3 marks

b. List the three main components of ICT. 6 marks

c.. State five ways by which information can be transmitted. 5 marks

2a. What is a system program? 4 marks

 b. Outline any four kinds of System programs 10 marks

3a. List and briefly describe any three pointing devices. 3 marks

 b. Which category of device is the Optical Character Recognition (OCR)? 2 marks

 c. State six basic functions of a mouse. 9 marks

4a. What is a communication network? 3 marks

 b. List any three network service applications. 3 marks

 c. Explain what is meant by the term network channels. 3 marks

 d. List any five types of Transport Technology. 5 marks

5a. List and briefly describe the four types of wireless communication networks 8 marks

 b. State the three types of Network Enterprise Architectures 6 marks

 6a. Explain the elements of a URL and the purpose of each. 6 marks

b. . Explain what is meant by downloading and uploading. 3 ½ marks

 c. What are the three basic elements of an e-mail message? 4 ½ marks

7a. Differentiate between security and breaches. 5 marks

 b. Distinguish between spam and cookies. 5 marks

 c. List four measures taken to ensure ICT service reliability. 4 marks