LAGOS STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, IKORODU
COLLEGE OF BASIC SCIENCES
DEPARTMENT OF COMPUTER SCIENCES
FIRST SEMESTER EXAMINATION 2024/2025 ACADEMIC SESSION

Programme: B.Sc. Computer Science, Physics
Course Title: Introduction to Information and Communication Technology
Course Code: ICT 201
Course Unit: 2   **Class Level: 200**
No of Students: 260   **Time Allowed: 2.5 Hours**
Instruction: Attempt Question One and any other Two (2) Questions

QUESTION ONE
(a) i) What is a chart?   **(1 mk)**
ii) Mention two (2) types of charts and for each, give one (1) example of its uses.   **(4 mks)**
(b) i) What is MS PowerPoint?   **(1 mk)**
     ii) Describe four (4) items that can be adjusted in the design theme of a presentation.   **(4 mks)**
(c) Mention and describe the functions of five (5) components of MS WORD screen. **(5 mks)**
(d) Describe portable Digital Devices and its examples   **(5mks)**
(e) Describe primary memory   **(5 mks)**
(f) Describe the various modes of data transmission   **(5 mks)**

QUESTION TWO
(a) What is Really Simple Syndication (RSS)?   **(1 mks)**
(b) State three (3) benefits of RSS   **(4 ½ mks)**
(c) (i) What is web monitoring?   **(1 mks)**
     (ii) Describe three (3) key features of web monitoring tools.   **(7 ½ mks)**
(d) Describe four (4) benefits of online communities.   **(6 mks)**

QUESTION THREE
(a) Describe data transmission, and its components.   **(4 mks)**
(b) Describe computer network topology, and any three of its types.   **(6 mks)**
(c) Describe briefly the following computing principles (i) Communication
     (ii) Coordination (iii) Design (iv) Recollection   **(6 mks)**
(d) Explain Communication port, and enumerate six of its types.   **(4 mks)**

QUESTION FOUR
(a) Describe the four (4) stages in internet data transfer.   **(6 mks)**
(b) Describe four (4) methods of internet data transfer.   **(6 mks)**
(c) (i) What are data rate units?   **(1 mks)**
     (ii) What is the function of the Domain Name System (DNS).   **(1 mks)**
(d) The OSI reference model specifies network protocol standards in seven layers.
     Mention three (3) of the layers and state their functions.   **(6 mks)**

QUESTION FIVE
(a) Explain computer networks and enumerate its types.   **(5 mks)**
(b) Describe briefly the following technologies (i) Accessibility Options
     (ii) Voice over Internet Protocol (iii) Internet (iv) Instant messaging   **(6 mks)**
(c) Explain software and its types   **(5 mks)**
(d) Describe the various types of primary storage   **(4 mks)**