**Multiple Choice Questions (10 Questions)**

1. **Topic**: *The Role of ICT in Daily Life* **Level 0**  
   **Question: ICT has transformed daily life by enabling which of the following?**

A) Manual bookkeeping

B) Digital communication and information sharing

C) Increased physical paperwork

D) Non-digital transactions  
**Answer**: B

1. **Topic**: *Types of Computers* **Level 1**  
   **Question: Which type of computer would be ideal for a traveling business professional who needs a portable device?**

A) Desktop computer

B) Mainframe

C) Mobile computer

D) Supercomputer  
**Answer**: C

1. **Topic**: *Central Processing Unit (CPU)* **Level 2**  
   **Question: Which component of the CPU temporarily stores instructions during processing to improve speed?**

A) ROM

B) RAM

C) Cache

D) Hard Drive  
**Answer**: C

1. **Topic**: *Communication Technologies* **Level 1**  
   **Question: Which technology is primarily used to establish short-range communication between devices without cables?**

A) Bluetooth

B) Optical Fiber

C) Ethernet

D) DSL  
**Answer**: A

1. **Topic**: *Storage Devices* **Level 0**  
   **Question: Which storage device uses magnetic technology to store data?**

A) SSD

B) Optical Drive

C) Magnetic Hard Drive

D) Pen Drive  
**Answer**: C

1. **Topic**: *Input Devices* **Level 2**  
   **Question: In what situation would a QR scanner be more effective than a traditional barcode reader?**

A) For scanning wide, one-dimensional barcodes

B) For capturing more data and working in digital payment systems

C) For handling printed text recognition

D) For entering a user PIN  
**Answer**: B

1. **Topic**: *The Internet Protocol Suite* **Level 1**  
   **Question: Which layer in the Internet Protocol Suite is responsible for managing host-to-host communication?**

A) Link Layer

B) Transport Layer

C) Internet Layer

D) Application Layer  
**Answer**: B

1. **Topic**: *Communication Media* **Level 0**  
   **Question: Which of the following is a primary form of communication media?**

A) Fax Machine

B) Website

C) Personal Interaction

D) Printer  
**Answer**: B

1. **Topic**: *Network Issues and Communication* **Level 2**  
   **Question: When a network lacks adequate security measures, which of the following could be at risk?**

A) Data integrity and user privacy

B) Only network speed

C) Display resolution

D) Data redundancy  
**Answer**: A

1. **Topic**: *Software and Programs* **Level 1**  
   **Question: Which component acts as an intermediary between hardware and applications?**

A) CPU

B) Operating System

C) Router

D) Storage Drive  
**Answer**: B

**Short Questions (10 Questions)**

1. **Topic**: *Characteristics of ROM and RAM* **Level 0**  
   **Question: Define ROM and RAM, and describe their primary differences.**
2. **Topic**: *Booking Systems* **Level 1**  
   **Question: Explain how booking systems have simplified travel planning, giving an example of one such system.**
3. **Topic**: *The Role of the CPU in Processing Instructions* **Level 2**  
   **Question: Describe how the CPU processes multiple instructions, considering how its structure allows efficient processing.**
4. **Topic**: *Storage Devices* **Level 1**  
   **Question: How does a magnetic hard drive differ from a solid-state drive in terms of structure and speed?**
5. **Topic**: *Physical Component of Computer Systems* **Level 0**  
   **Question: List and describe any three physical components of a computer system.**
6. **Topic**: *Direct Data Entry (DDE) Devices* **Level 1**  
   **Question: Explain how a barcode reader works as a DDE device and give an example of its use in retail.**
7. **Topic**: *Communication Technologies* **Level 2**  
   **Question: Analyze the importance of Bluetooth technology in the context of modern smart home devices.**
8. **Topic**: *Mobile Computers* **Level 0**  
   **Question: What are mobile computers, and provide two examples.**
9. **Topic**: *Anti-malware Software* **Level 1**  
   **Question: How does anti-malware software contribute to network security?**
10. **Topic**: *Output Devices* **Level 2**  
    **Question: Compare the suitability of laser printers and 3D printers in an industrial setting.**

**Long Questions (5 Questions)**

1. **Topic**: *The Systems Life Cycle* **Level 0**  
   **Question: Describe each stage of the systems life cycle, focusing on the process of developing a new software system.**
2. **Topic**: *Network Security Issues* **Level 1**  
   **Question: Discuss the importance of passwords and other authentication methods in securing network data, providing examples of their use.**
3. **Topic**: *The Role of ICT in Daily Life* **Level 1**  
   **Question: Discuss the impact of ICT on education, giving examples of specific technologies used in the classroom.**
4. **Topic**: *Characteristics of Internet, Intranet, and Extranet* **Level 2**  
   **Question: Analyze the key differences between the internet, intranet, and extranet, and evaluate their advantages and disadvantages for organizations.**
5. **Topic**: *Internet Protocol Suite* **Level 2**  
   **Question: Evaluate the roles of the different layers in the Internet Protocol Suite, including an analysis of how these layers support reliable data transmission over the internet.**