Form 2 Term 2 Midterm Exam

Information and Communication Technology (ICT)

Duration: 1 hour

Total Marks: 50

Section A: Multiple Choice Questions (20 marks)

Instructions: Answer all questions. Each question carries 1 mark.

1. What does ICT stand for?

   a) International Communication Technology

   b) Information and Communication Technology

   c) Internet Communication Technology

   d) Information and Computer Technology

2. Which of the following is an output device?

   a) Keyboard

   b) Mouse

   c) Monitor

   d) Scanner

3. The main function of the CPU is to:

   a) Store data

   b) Process data

   c) Display data

   d) Print data

4. An example of application software is:

   a) Windows

   b) Microsoft Word

   c) BIOS

   d) Linux

5. The physical components of a computer system are known as:

   a) Software

   b) Hardware

   c) Firmware

   d) Middleware

6. Which of the following is a primary storage device?

   a) Hard disk

   b) CD-ROM

   c) RAM

   d) USB drive

7. The process of converting analog signals into digital signals is known as:

   a) Modulation

   b) Digitization

   c) Encoding

   d) Compression

8. Which of the following is an example of cloud storage?

a) Hard drive

b) SSD

c) Google Drive

d) Flash drive

9. The main advantage of using an SSD over an HDD is:

a) Lower cost

b) Higher storage capacity

c) Faster data access

d) Larger physical size

10. Which programming language is primarily used for web development?

a) C++

b) Python

c) JavaScript

d) Java

11. Which of the following is not a type of malware?

a) Virus

b) Worm

c) Trojan

d) Firewall

12. A local area network (LAN) typically covers:

a) A city

b) A country

c) A single building

d) The entire world

13. What is the primary purpose of a firewall?

   a) To store data

   b) To manage network traffic

   c) To provide internet access

   d) To protect against unauthorized access

14. Which of the following is an open-source operating system?

   a) Windows

   b) macOS

   c) Linux

   d) Android

15. The main page of a website is typically called the:

   a) Home page

   b) Contact page

   c) About page

   d) Landing page

16. Which of the following is used to create a database?

   a) Microsoft Excel

   b) Microsoft Access

   c) Microsoft Word

   d) Microsoft PowerPoint

17. What is phishing?

   a) The act of sending emails to steal personal information

   b) The process of coding a program

   c) The use of social media for marketing

   d) The act of writing a blog

18. A byte consists of:

   a) 4 bits

   b) 8 bits

   c) 16 bits

   d) 32 bits

19. A device that provides Wi-Fi connectivity to other devices is called a:

   a) Switch

   b) Router

   c) Modem

   d) Hub

20. The software that enables hardware devices to communicate with the operating system is:

   a) Application software

   b) System software

   c) Driver software

   d) Utility software

Section B: Short Answer Questions (30 marks)

Instructions: Answer all questions. Each question carries 5 marks.

1. Explain the functions of an operating system.

2. Describe three advantages of using cloud storage.

3. What is the role of a database management system (DBMS)?

4. Explain the difference between primary and secondary storage.

5. Describe the function of a web browser.

6. What are the key differences between a LAN and a WAN?

End of Exam Paper

Good luck!