Form 5 Term 2 Midterm Exam

Information and Communication Technology (ICT)

Duration: 1.5 hours

Total Marks: 100

Section A: Multiple Choice Questions (20 marks)

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

1. What does the acronym "ICT" stand for?

   a) Information and Computer Technology

   b) Information and Communication Technology

   c) Internet and Communication Technology

   d) Information and Computational Technology

2. Which device is considered an input device?

   a) Printer

   b) Monitor

   c) Keyboard

   d) Speaker

3. What is the primary function of an operating system?

   a) To edit documents

   b) To manage hardware and software resources

   c) To browse the internet

   d) To design graphics

4. What does "URL" stand for?

   a) Uniform Resource Locator

   b) Universal Resource Locator

   c) Uniform Retrieval Link

   d) Universal Retrieval Link

5. Which of the following is an example of application software?

   a) Windows

   b) Linux

   c) Microsoft Word

   d) BIOS

6. What type of storage is RAM?

   a) Permanent storage

   b) Temporary storage

   c) External storage

   d) Optical storage

7. What is the purpose of a firewall?

   a) To speed up the computer

   b) To prevent unauthorized access

   c) To increase storage space

   d) To manage software installations

8. Which of the following is a characteristic of cloud computing?

a) Data is stored on local drives

b) Data is stored on remote servers and accessed via the internet

c) Data is stored on USB drives

d) Data is stored on CDs

9. Which of the following is used to create and manage databases?

a) Spreadsheet software

b) Word processing software

c) Database management software

d) Presentation software

10. What does "HTTP" stand for?

a) HyperText Transfer Protocol

b) HighText Transfer Protocol

c) HyperText Transmission Protocol

d) HighText Transmission Protocol

11. What is the main advantage of using an SSD over an HDD?

a) Lower cost

b) Larger storage capacity

c) Faster data access

d) Easier to repair

12. In a spreadsheet application, which function is used to add a range of numbers?

a) SUM

b) AVERAGE

c) MIN

d) MAX

13. What is the function of a CPU in a computer?

   a) To store data

   b) To process data

   c) To display graphics

   d) To manage network connections

14. Which of the following is a type of malware?

   a) Firewall

   b) Antivirus

   c) Virus

   d) Router

15. What is an example of an output device?

   a) Keyboard

   b) Mouse

   c) Monitor

   d) Scanner

16. Which programming language is commonly used for creating web pages?

   a) C++

   b) Python

   c) HTML

   d) Java

17. What does the term "bandwidth" refer to in networking?

   a) The length of a network cable

   b) The amount of data that can be transmitted over a network in a given time period

   c) The number of devices on a network

   d) The physical size of a network

18. What is the primary purpose of using a spreadsheet application?

   a) To create presentations

   b) To manage numerical data and perform calculations

   c) To edit text documents

   d) To browse the internet

19. What is phishing?

   a) A technique to improve internet speed

   b) A method of securely storing data

   c) An attempt to obtain sensitive information through deceptive emails

   d) A process of organizing data in a database

20. Which of the following is a benefit of using cloud storage?

   a) Data is only accessible from one device

   b) Data is stored on physical drives

   c) Data can be accessed from any device with internet access

   d) Data storage capacity is limited to the size of the physical drive

Section B: Short Answer Questions (30 marks)

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

1. Explain what an operating system is and give two examples.

2. Describe three benefits of using cloud storage.

3. What is a computer virus and how can it affect a computer?

4. Explain the difference between RAM and a hard drive.

5. Describe the function of a web browser.

6. What are three common uses of a spreadsheet application?

Section C: Essay/Long Answer Questions (50 marks)

Instructions: Answer all questions. Each question carries 10 marks.

1. Discuss the importance of cybersecurity in protecting personal and organizational data.

2. Explain the steps involved in creating a simple website using HTML.

3. Describe the impact of ICT on education and how it has changed the way students learn.

4. Discuss the advantages and disadvantages of e-commerce.

5. Explain the concept of data privacy and why it is important in today's digital world.

End of Exam Paper

Good luck!