

Generated Question Paper

Question 1

- COMPUTER SCIENCE EXAMINATION

- INSTRUCTIONS

- This examination consists of 10 multiple-choice questions.
- Choose the correct answer for each question.
- Each question carries equal marks.
- You are not allowed to use any electronic devices or consult any materials during the examination.
- Write your answers clearly and legibly.

- SECTION A

- MULTIPLE CHOICE QUESTIONS

- Choose the correct answer for each question.

1. What is the primary function of the Central Processing Unit (CPU)?
 - a) To store data and programs
 - b) To provide input/output operations
 - c) To execute instructions and perform calculations
 - d) To manage memory and storage
2. Which of the following is NOT a characteristic of a good password?
 - a) It is at least 8 characters long
 - b) It contains a mix of uppercase and lowercase letters
 - c) It is easy to remember
 - d) It contains the user's name or common words
3. What is the term for a network that spans a large geographic area, such as a city or country?
 - a) Local Area Network (LAN)
 - b) Metropolitan Area Network (MAN)
 - c) Wide Area Network (WAN)
 - d) Wireless Network (WN)
4. Which of the following programming languages is primarily used for web development?
 - a) Java
 - b) Python
 - c) C++
 - d) HTML/CSS
5. What is the term for a type of malware that demands payment in exchange for restoring access to data?
 - a) Virus
 - b) Worm
 - c) Trojan
 - d) Ransomware
6. Which of the following devices is used to connect multiple computers to a single internet connection?
 - a) Router
 - b) Switch
 - c) Hub
 - d) Modem
7. What is the term for a binary number system that uses 16 digits (0-9 and A-F)?

- a) Decimal
- b) Binary
- c) Hexadecimal
- d) Octal

8. Which of the following is a type of cyber attack that involves sending a large amount of traffic to a website?

- a) Denial of Service (DoS)
- b) Distributed Denial of Service (DDoS)
- c) Phishing
- d) SQL Injection

9. What is the term for a type of network topology in which all devices are connected to a central device?

- a) Star topology
- b) Bus topology
- c) Ring topology
- d) Mesh topology

10. Which of the following is a type of software that is used to manage and maintain computer systems?

- a) Application software
- b) System software
- c) Utility software
- d) Firmware