**EPITOME MODEL ISLAMIC SCHOOLS**

COMPUTER STUDIES INTERVIEW QUESTIONS

Instruction: Attempt all questions from this section

Time Allowed for this section: 20 minutes

**SECTION A: MCQ**

1. **Which of the following is NOT an input device?**  
   a) Keyboard  
   b) Scanner  
   c) Monitor  
   d) Microphone
2. **The smallest unit of data in a computer is:**  
   a) Bit  
   b) Byte  
   c) Nibble  
   d) Word
3. **ROM is used for:**  
   a) Temporary storage of data  
   b) Permanent storage of system instructions  
   c) Storing user documents  
   d) Storing cache data
4. **Which of the following is a volatile memory?**  
   a) Hard disk  
   b) ROM  
   c) RAM  
   d) SSD
5. **The speed of a processor is measured in:**  
   a) Bytes per second  
   b) Hertz  
   c) Bits per inch  
   d) MIPS
6. **Which device converts digital signals to analog for transmission over phone lines?**  
   a) Router  
   b) Modem  
   c) Switch  
   d) Hub
7. **Cache memory is used to:**  
   a) Store data permanently  
   b) Reduce CPU processing speed  
   c) Increase data transfer rate between CPU and main memory  
   d) Backup data
8. **Which of the following storage devices has no moving parts?**  
   a) Hard disk drive  
   b) Floppy disk  
   c) Solid-state drive  
   d) CD-ROM
9. **BIOS stands for:**  
   a) Basic Input Output System  
   b) Binary Integrated Operating Setup  
   c) Basic Internal Output Software  
   d) Built-in Operating Sequence
10. **Which of the following is NOT an example of system software?**  
    a) Device drivers  
    b) Operating system  
    c) Utility software  
    d) Spreadsheet application
11. **High-level programming languages are:**  
    a) Machine-dependent  
    b) Machine-independent  
    c) Written in binary code  
    d) Used only for system software
12. **Which of these is NOT an object-oriented programming concept?**  
    a) Inheritance  
    b) Encapsulation  
    c) Compilation  
    d) Polymorphism
13. **Compiler translates:**  
    a) High-level language into machine code  
    b) Machine code into high-level language  
    c) Assembly language into machine code line by line  
    d) Executes code directly without translation
14. **Algorithm complexity is measured by:**  
    a) Speed of the processor  
    b) Time and space efficiency  
    c) Number of programming languages used  
    d) Size of the source code
15. **A variable in programming is:**  
    a) A constant value  
    b) A memory location identified by a name  
    c) An operator  
    d) A data type
16. **In binary number system, 1011 equals:**  
    a) 9  
    b) 10  
    c) 11  
    d) 13
17. **Which data structure uses FIFO (First In, First Out)?**  
    a) Stack  
    b) Queue  
    c) Tree  
    d) Graph
18. **Which SQL command is used to extract data from a database?**  
    a) SELECT  
    b) UPDATE  
    c) INSERT  
    d) DELETE
19. **Which of the following is NOT a programming language?**  
    a) Python  
    b) Java  
    c) HTML  
    d) C++
20. **Flowcharts are used to:**  
    a) Compile code  
    b) Document algorithms visually  
    c) Execute programs  
    d) Debug hardware
21. **Which protocol is used to transfer web pages?**  
    a) FTP  
    b) HTTP  
    c) SMTP  
    d) POP3
22. **IP address 192.168.1.1 belongs to:**  
    a) Public IP range  
    b) Private IP range  
    c) Loopback address  
    d) Broadcast address
23. **Firewall in computer networking is used for:**  
    a) Increasing network speed  
    b) Protecting against unauthorized access  
    c) Data backup  
    d) Controlling printer access
24. **DNS is responsible for:**  
    a) Converting domain names to IP addresses  
    b) Encrypting data packets  
    c) Hosting websites  
    d) Assigning MAC addresses
25. **Which of the following is a wireless communication standard?**  
    a) Ethernet  
    b) Wi-Fi (IEEE 802.11)  
    c) Coaxial  
    d) Token Ring
26. **Topology where every node is connected to a central hub is called:**  
    a) Mesh  
    b) Star  
    c) Bus  
    d) Ring
27. **Phishing is an example of:**  
    a) Hardware failure  
    b) Social engineering attack  
    c) Software update  
    d) Data compression
28. **Which layer of the OSI model is responsible for end-to-end delivery?**  
    a) Network layer  
    b) Data link layer  
    c) Transport layer  
    d) Physical layer
29. **SMTP is used for:**  
    a) Sending emails  
    b) Receiving emails  
    c) Transferring files  
    d) Streaming media
30. **VPN (Virtual Private Network) provides:**  
    a) Public broadcasting  
    b) Encrypted private communication over public network  
    c) Free internet access  
    d) Faster download speed
31. **Spreadsheet software is mainly used for:**  
    a) Image editing  
    b) Numeric data analysis  
    c) Word processing  
    d) Presentation design
32. **Which of these is NOT a cloud storage service?**  
    a) Google Drive  
    b) Dropbox  
    c) OneDrive  
    d) BIOS
33. **Open-source software means:**  
    a) Freeware with no license  
    b) Source code is publicly available for modification  
    c) Trial version with limitations  
    d) Proprietary software
34. **Which of the following is a vector graphics software?**  
    a) Adobe Illustrator  
    b) Adobe Photoshop  
    c) Corel Painter  
    d) MS Paint
35. **Ergonomics in computing refers to:**  
    a) Reducing electricity consumption  
    b) Designing safe and comfortable workspaces  
    c) Installing antivirus software  
    d) Using faster processors
36. **Which of the following is an example of malicious software?**  
    a) Firewall  
    b) Trojan horse  
    c) Operating system  
    d) Utility program
37. **The process of copying data for recovery in case of loss is called:**  
    a) Formatting  
    b) Backup  
    c) Defragmentation  
    d) Encryption
38. **ICT integration in education enhances learning mainly by:**  
    a) Replacing teachers  
    b) Providing interactive and engaging content  
    c) Increasing textbook prices  
    d) Reducing collaboration
39. **Which of these is a biometric security method?**  
    a) Password  
    b) PIN  
    c) Fingerprint scanning  
    d) CAPTCHA
40. **E-waste management primarily deals with:**  
    a) Disposal and recycling of electronic devices  
    b) Backup of email data  
    c) Wireless internet setup  
    d) Software license renewal