Objective

Time: 30 mins
25*1=25 Marks

Multiple Choice

1. **Which of the following keys is an example of Toggle key?**

   A) Alt   B) Shift   C) Control   D) Caps Lock

2. **How many colors dots make up one color pixel on a screen?**

   A) 3   B) 8   C) 16   D) 256

3. **What is the function of the operating system in a computer?**

   A) To perform mathematical calculations
   B) To manage hardware and software resources
   C) To create graphics and animations
   D) To connect to the internet

4. **Possible threat to any system/services cannot be …..**

   A) Reduced   B) protected   C) transferred   D) igrored

5. **The purpose of "safe mode" in windows troubleshooting is ………**

   A) To install/uninstall the critical softwares
   B) To operate the computer with minimal sets of applications and drivers
   C) To test hardwares and softwares
   D) To maximizes the performance of the computer

6. While comparing LED and LCD screen LED is efficient in ……… and less efficient in ……….. With LCD

A) Power, cost   B) Cost, Response time

C) Response time, Power   D) Cost, power

7. What is the purpose of the BIOS in a computer?

A) To store software applications

B) To manage hardware and initialize the computer's hardware components

C) To connect peripherals

D) To access internet

8. If your computer is experiencing frequent crashes and displaying a "blue screen" error message, what should you check for?

A) Overheating   B) Graphics card drivers

C) Monitoring setting   D) keyboard connectivity

9. Which of the following BJT region does amplification?

A) Active   B) Cut-off   C) Saturation   D) One

10. Which of the following components is used to store electric field?

A) Resistor   B) inductor   C) Capacitor   D) Diode

11. Which type of source device is BJT?

A) Current driven   B) Voltage driven   C) load driven   D) Power driven

12. What type of biasing is it when voltage is applied across cathode to anode?

A) Cyclic   B) Forward   C) Reverse   D) Backward

13. Which of the following statements about level1 (L1) cache is not correct?

A) It is shared between multiple cores

B) It is used to store frequency accessed instructions for quick access

C) It is closest to CPU core

D) It is faster than L2 cache

14. Which one is RISC architecture

A) Complex micro-code architecture

B) Load-store architecture

C) Refined instruction set computing architecture

D) Right and intensive set computing architecture

15. What type of addressing mode does the instruction LOAD R1, 200 represent?
   A) Immediate   B) Direct   C) Definite   D) Relative

16. The major characteristic of disk fragmentation is ………
   A) Breaking down files into smaller components
   B) Increasing the disk's capacity
   C) Storing files in non-contiguous locations on disk
   D) Storing files in a single contiguous locations on disk

17. What is the meaning of the booting in the operating system?
   A) Restarting computer   B) Install the program
   C) To scan the computer   D) To turn off the computer

18. What type of operating system allows multiple users to access the system simultaneously?
   A) Real-time os   B) Single-user OS   C) Multi-user OS   D) Embedded OS

19. ………… is responsible for managing hardware resources of the Linux architecture.
   A) Application layer   B) Shell   C) Utilities layer   D) Kernel

20. The term "hashing" refers to ……. In cryptography.
   A) Encrypting an unsecure message
   B) Compressing a large file
   C) Converting data into a fixed-size string of characters
   D) Verifying a user's identity

21. Which protocol is used to send email message from a client to a server?
   A) FTP   B) HTTP   C) SNMP   D) SMPT

22. Which of the following can be used as both source and destination IP?
   A) 198.168.1.255   B) 10.0.01   C) 127.0.0.1   D) 255.255.255.255

23. Who among the following keeps the private key in asymmetric key cryptography?
   A) Receiver   B) Sender
   C) Sender and receiver   D) Third party

24. What is the most common aspect ratio for wide screen videos?
   A) 1:1   B) 16.9   C) 4:3   D) 21:9

25. Which of the following image formats user lossy compression technique?
A) GIF   B) PNG   C) BMP   D) JPEG

1. (D)	2. (A)	3. (B)	4. (D)	5. (B)
6. (D)	7. (B)	8. (A)	9. (A)	10. (C)
11. (A)	12. (B)	13. (A)	14. (B)	15. (B)
16. (C)	17. (A)	18. (C)	19. (D)	20. (C)
21. (D)	22. (C)	23. (A)	24. (B)	25.(D)