

SECTION-A (30 M) Objective Part

Answer all questions. Each question carries 1 Marks

1. A network comprising multiple topologies.
A. Tree B. Star C. Hybrid D. Ring
2. A device that is used to connect a number of LANs is.
A. Router B. Repeater C. Bridge D. Switch
3. Modem=
A. Modulator+ Demodulator B. Analog+ Digital
C. Software+Hardware D. None of these
4. IP stands for
A. Internet Protocol B. Inter Protocol
C. Intermediate Protocol D. None of these
5. Which device allocates IP addresses to computers automatically?
A. Switch B. Router C. DHCP D. Server
6. Devices or data points on a larger network can also be called.
A. RAM B. Operating system C. Nodes D. All of the above
7. Set of rules that are applicable for a network.
A. IP address B. Protocol C. Software D. Program
8. Which is responsible for moving packets of data from node to node?
A. TCP B. Website C. HTTP D. IP
9. Which one is not a Network protocol?
A. Node B. FTP C. TCP D. All of the above
10. Which language interpreter converts high level program into machine level program at one go rather than line by line?
A. Assembler B. Interpreter C. Compiler D. All of the above
11. System software that controls and monitors functioning of a specific device on computer is.
A. Operating System B. Device Drivers
C. Application Software D. Utility Software
12. Interface between a user and computer hardware.
A. Application Software B. Utility Software
C. System Software D. Operating system
13. Set of instructions in machine-readable form is.
A. Source Code B. Object Code
C. Digital Code D. None of the above
14. A software that assists system software in doing their work is.
A. Application Software B. Utility Software
C. System Software D. Operating System
15. Which Software to be loaded after BIOS into computer memory?
A. System Software B. Application Software
C. Utility Software D. Operating System
16. The first microprocessor was introduced in which year and by which company?
A. 1971, IBM B. 1961, Microsoft
C. 1971, Intel Corporation D. 1917, Intel Corporation
17. Pre-programmed memory is.
A. RAM B. ROM C. USB D. HDD
18. Which memory is also known as volatile memory?

19. Register is 10 times faster than?
 A. RAM B. ROM C. BIOS D. Registers
20. Characteristics of Microprocessor are *
 A. ROM B. Microprocessor C. RAM D. None of the above
21. Microprocessor made up of.
 A. SOM B. SOD C. MOS D. DOS
22. Which types of instructions carried by instruction set? *
 A. Data transfer, Arithmetic operations, Control flow
 B. B. Data transfer, Logical operations, Control flow
 C. Data transfer, control flow, I/O control
 D. All of the above
23. Main memory of computer is *
 A. Internal B. External C. Secondary D. All of the above
24. What is the permanent memory built into your computer called ?
 A. RAM B. ROM C. HDD D. CD-ROM
25. EEPROM=
 A. Electrically Erasable and Programmable Read Only Memory
 B. Electrically Empowering and Programmable Read Only Memory
 C. Electrically Erasable and Powering Read Only Memory
 D. Erasable Electrically and Programmable Read Only Memory
26. Match the Following. (5*1=5)
- | | |
|----------------------------------|------------|
| 1. Displays date and time | a) cd .. |
| 2. Removes directory | b) cd |
| 3. Removes file or directory | c) date -s |
| 4. Moves file or directory | d) rmdir |
| 5. Move back to parent directory | e) mv |
| | f) date |
| | g) rm |
| | h) mkdir |
| | i) mvdir |
| | j) cp |

SECTION-B (30 M) Descriptive Part

NOTE: a. Answer any 3 questions. Each question carries five (10) Marks.

Write all parts of a question in a continuous fashion.

- A) Explain the characteristics of computer. (5 M)

B) Define the following. (5*1=5)

a) BIOS	c) Hub	e) Modem
b) Software	d) Bridge	
- A) What is an operating system? Explain the major functions of Operating system. (5 M)

B) Explain licensing concepts. (5 M)
- A) What is the number system? Explain the different types of number system representation in computer. (5M)

B) Write the differences between the RAM and ROM. (5M)
- A) What is Network Topology? Explain various types of topologies. (5M)

B) What is protocol? Explain various types of network protocols. (5M)
- Explain the following commands along with examples. (5*2=10 M)

a) Cat	c) Cal	e) Shutdown
b) Date	d) Ping	
- Convert the following numbers in to given number system. (5*2=10 M)

i) $(11000001)_2 = ()_8$	ii) $(540)_{10} = ()_2$	iii) $(8D)_{16} = ()_2$
iv) $(3\ 2\ 6)_8 = ()_{10}$	v) $(10110110)_2 = ()_{16}$	

-----ALL THE BEST-----