

Q1. Describe the characteristic features of input and output devices of a computer system. [10]

OR

What is Topology? Discuss the various topologies with diagram. [2+8=10]

Q2. What is MS-DOS? List any five Internal and External commands with syntax of MS-DOS. [10]

OR

Define Operating System. Describe the functions of an operating system. [2+8=10]

Q3. What is Cache Memory? [5]

OR

What are the limitations of computer?

Q4. Differentiate between the following (Any Two): [2 X 2 1/2 = 5]

- a. Computer Hardware and Software
- b. MAN and WAN
- c. RAM and ROM
- d. Spreadsheet and Word Processor

Q5. What is Internet Browser and Email Provider? [5]

Q6. Match the following: [5x1=5]

- a. Co-axial Cable
- b. Nibble
- c. Bar Code Reader
- d. Internet Explorer
- e. RAM
- i) Volatile Memory
- ii) Input Device
- iii) Browsing Tool
- iv) Transmission Channel
- v) 4 Bits

Q7. State true or False: [5]

- a) Dot Matrix Printer is an example of Non-Impact Printer.
- b) In Ms-Excel, the formula always starts with an (=) sign.
- c) Windows explorer is a browsing tool.
- d) Each high level language required its own translator.
- e) Machine language consists of 0's and 1's.

Q8. Fill in the blanks: [5]

- a) The part of taskbar on which time appears is known as.....
- b) Automated loom was invented by.....
- c) Extension of Ms-Power Point file is
- d) The default opening screen of a window is called.....
- e) A translator is a Software.

Q1. Discuss Network Topology. Enlist the various network software. Explain any one in detail. [4+2+4=10]

OR

Draw block diagram of computer and explain components of computer. [5+5=10]

Q2. Explain the Generations of computer. [10]

OR

What are the limitations of computers? [10]

Q3. Discuss the features of Ms-Office. [10]

OR

List any ten internal and external DOS commands with examples.

Q4. Differentiate between the following: [5X3=15]

- a. Interpreter and Compiler
- b. Primary Memory and Secondary Memory
- c. System Software and Application Software
- d. Impact Printer and Non-Impact Printer
- e. Internet Browser and Email Provider.

Q5. A Match the following: [2 1/2]

- | | |
|------------------|--------------------|
| a. Cray | i) Output Device |
| b. Printer | ii) 1024 Bytes |
| c. Barcode | iii) 1 and 0 |
| d. One Mega Byte | iv) Super Computer |
| e. Binary Number | v) 1024 bits |

B Fill in the blanks: [2 1/2]

- a) is a software code to find faults in processing.
- b) Ctrl, Shift and Alt are also known as keys.
- c) Hard Disk drive storage.
- d) Machine uses Language.
- e) To reload a webpage button is pressed.

Q1. What is topology? Explain with diagram. [10]

Q2. Write short notes (any two): [2x5=10]

- A) Operating System.
- B) Fourth Generation Computer
- C) Components of CPU.

Q3. Differentiate between High level and Low Level Languages: [5]

OR

Differentiate between Impact and Non-Impact Printer

Q4. Give two examples of each (any five): [5X1=5]

- a. GUI Operating System.
- b. Optical Storage Devices.
- c. Web Browser
- d. Output Device
- e. Monitor.
- F. DOS Internal Commands
- g. Protocol

Q5. Expand any five of the following terms: [5X1=5]

- a. UPS
- B. ASCII
- C. BASIC
- D. COBOL
- E. EPROM
- F. LCD
- G. SMPS
- H. MICR

Q6. Give DOS commands to perform the following from root directory. [5X1=5]

- a) Create a batch file ABC in C drive WINDOWS directory.
- b) Rename a file PGDM from IHM directory to PGDAO.
- c) Display all files from C:\IHM directory having extension as .EXE.
- d) Delete all files from C:\IHM directory.
- e) To sort the contents of the file.
- f) Hide file IHM.TXT from C:\WINDOWS directory.

Q7. State True or False: [5X1=5]

- a. Dot Matrix is an example of non-impact printer.
- b. Windows explorer is used for browsing.
- c. JAVA is an Operating System.
- d. Extension of notepad file is .TXT
- e. Ms-Office is an Example of Application Software.

Q8. Fill in the blanks: [5X1=5]

- a) Example of volatile memory is
- b) One byte is equals to
- c) * and ? is an example of in DOS.
- d) Printer is an device.
- e) Extension of Ms-PowerPoint file is

Q1. Explain Data Entry & Output devices. Give examples of each. [10]

Q2. Write short notes on: [5+5=10]

- A) Difference between hardware and software. B) Types of printers.
OR
B) Classification of computers. D) Parts of a Window.

Q3. Expand any five of the following terms: [5X1=5]

- A. URL B. LED C. OLE D. MIPS E. BIOS
F. FAT G. BCD H. NIC I. KB J. HDD

Q4. Give two examples of each: [5X1=5]

- a. High Level Languages. b. Secondary Storage Devices. c. Cable
d. Wide card characters e. Non-Impact Printers.

Q5. Give DOS command for any five of the following: [5X1=5]

- a. To clear the screen.
b. To format a drive.
c. To delete the existing file.
d. To remove a sub directory.
e. To sort the contents of the file.
f. To display the version of operating system.
g. To prepare a new hard disk.

Q6. State True or False: [5X1=5]

- a. MS Power Point is a part of windows operating system.
b. Menu contains list of related commands.
c. Printer is an output device.
d. In Ms-Excel, the formula always starts with an "equal to" sing.
e. Internet explorer is a browsing tool.

Q7. Match the following: [5X1=5]

- a. Nibble i) Network Cable
b. Speech recognition ii) 4 bits
c. Windows iii) 0's and 1's
d. Machine Language iv) Input Device
e. Ethernet v) Operating System

Q7. Fill in the blanks: [5X1=5]

- a. The base of binary number system is
- b. translates the program line by line.
- c. Dir is a command.
- d. The default opening screen of a window is called.....
- e. All deleted files will be found in

Q1. Briefly describe the characteristic features of input and output devices of a computer system. [10]

Q2. Write short notes on any five of the following: [5x2=10]

- a. Registers b. Interpreters c. Star Topology d. Ethernet e. Server
- f. Graphical User Interface g. Compilers

Q3. What do you mean by Data Communication Channels? Discuss different channels with their features. [5]

OR

Give DOS Commands for the following: [5x1=5]

- a. To clear the screen.
- b. To see the contents of existing file.
- c. To delete the empty directory.
- d. To delete a directory completely with all its contents.
- e. To display the current time.

Q4. What are Window and Windows 95? [5]

OR

Give the classification of computer languages. [5]

Q5. Discuss Secondary Storage Devices with their features. [5]

OR

Describe Computer Generation 1 and 3.

Q6. Give the classification of computers. [5]

OR

Explain the different characteristics of computers. [5]

Q7. Expand any five of the following terms. [5x1=5]

- a) MODEM b) URL c) ENIAC d) COBL e) BASIC f) DML g) EPROM

Q8. Fill in the blanks: [5x1=5]

- a. MAN stands for
- b. DATE is an
- c. Electronic Pen is device
- d. is used to convert assembly language program into machine language program.
- e. Secondary memory is also known as memory.

Q1. Explain the generation of computer and their characteristic. [10]

OR

What is the Concept of data processing? What are the limitations of computer?

Q2. Define network topology. Discuss its various topologies and their respective suitability. [10]

Q3. Distinguish between the following (Any Two): [2x2¹/₂]

- a. LAN and MAN
- b. Application Software and System Software
- c. RAM and ROM
- d. Compiler and Interpreter

Q4. What are Internal and External commands of DOS? [5]

OR

What is MS-DOS and why you need DOS.

Q5. Expand the following terms: [5x1=5]

- a) DML b) CAD c) GIGO d) FORTRAN e) HTML

Q6. Match the following: [5]

- | | |
|-------------------|--------------------------|
| a. Spreadsheet | i. Input Device |
| b. Mouse | ii. Transmission Channel |
| c. DOS | iii. Ms-Excel |
| d. RAM | iv. Operating System |
| e. Co-axial Cable | v. Volatile Memory |

Q7. State True or False: [5]

- a. The extension of Ms Excel file is .exe
- b. 1024 bytes is equal to 1 Giga byte
- c. Joystick is an Input Device
- d. NIC stands for Network Interface Card
- e. FORMAT is an internal command of DOS

Q8. Fill in blanks: [5]

- a. The extension of MS Power Point is
- b. were used in second generation computer.
- c. WAN stand for
- d. Printer is an
- e. FTP is an

Q1. Define Network Topology. State atleast names of three topologies available in network. Draw labeled diagram of each kind. State in brief their advantages, disadvantages. [1+1+3+5=10]

Q2. Define operating system. What are the functions of an operating system? State how it performs the functions. [2+2+6=10]

Q3. (a) Give reasons for the following: [5x1=5]

- a. DOS is CUI.
- b. CPU is the brain of computer.
- c. RAM is faster than hard disk.
- d. Fiber optic transmitting media are better than copper wires.
- e. Optical disks are more advantageous than magnetic tape storage.

OR

(b) Write short notes on the following.

- i. Operating System
- ii. CPU
- iii. Primary memory
- iv. System Software
- v. Cache Memory

Q4. Draw and label block diagram of personal computer. [5]

OR

Draw a labeled diagram of a typical window desktop.

Q5. Expand the following. [5x1=5]

- A) PROM B) ALU C) EEPROM D) CPU E) UBS

Q6. Differentiate between: [5x1=5]

- a) RAM and Cache
- b) Compiler and Interpreters
- c) Mainframes and Super Computers
- d) First Generation computers and second generation computers.
- e) Input device and output device

OR

State two features of:

- i. Second generation programming language.
- ii. Secondary Storage
- iii. LAN
- iv. Hubs
- v. Server computer in a network.

Q7. Convert the followings:

[5x1=5]

- | | | |
|-------------------|---|-------------|
| i) $(110011)_2$ | - | DECIMAL |
| ii) $(89)_{10}$ | - | OCTAL |
| iii) $(78A)_{16}$ | - | BINARY |
| iv) $(9AB)_{16}$ | - | BINARY |
| v) $(1768)_{16}$ | - | HEXA DECIAL |

Q8. Match the following:

[5x1=5]

- | | |
|------------|------------------------|
| a. 8 BITS | I) High Level Language |
| b. Printer | II) Hexadecimal number |
| c. 16D | III) CUI |
| d. DOS | IV) Output Device |
| e. FORTRAN | V) 1 Byte |