



- Notes :
1. Solve **any ten** questions from Section A. Each question carries one mark.
  2. Solve **any six** questions from Section B. Each question carries five marks.
  3. Draw appropriate diagram wherever necessary.

**SECTION - A**

**1. Choose the correct alternative **any ten**. **10****

- MICR stands for -
  - Magnetic ink character reader
  - Magnetic ink code reader
  - Magnetic ink cases reader
  - None of the above
- Which of the following terms is the most closely related to main memory.
  - Temporary
  - Non-volatile
  - Permanent
  - Control unit
- The technology used to read pencil or pen marks on a multiple choice answers.
  - OCR
  - OMR
  - POS
  - MICR
- Computer Network is -
  - Collection of hardware components and computer
  - Interconnected by communication channels
  - Sharing of resources and information
  - All of the above
- What is the decimal value of hexadecimal number  $(777)_{16}$  ?
  - 19
  - 191
  - 1911
  - 19111
- Program used to control system performance are classified as -
  - Experimental programs
  - System programs
  - Specialized programs
  - Organized programs
- refers to the physical or logical arrangement of a network.
  - Topology
  - Mode of operation
  - Data flow
  - None of the above
- Which topology requires a central controller or hub ?
  - Mesh
  - Bus
  - Star
  - Ring
- Which waves are used for cellular phones, satellite and wireless LAN communication ?
  - Radio
  - Infrared
  - Micro
  - None of these

- x) A website's front page/main page is called -----
  - a) Browser page
  - b) Search page
  - c) Home page
  - d) Bookmark
- xi) What can a firewall protect against ?
  - a) Viruses
  - b) Unauthenticated interactive logins from the "outside" world.
  - c) Fire
  - d) Connecting to and from the "outside" world.
- xii) The question marks (?) indicates the file searching -----
  - a) A single character
  - b) A group of characters
  - c) Questions
  - d) None of the above
- xiii) CHKDSK can be used to find ----
  - a) disk's bad portion
  - b) occupied space
  - c) free space
  - d) all of the above
- xiv) A picture that represents a file is called -----
  - a) Icon
  - b) Double click
  - c) Library
  - d) Start menu
- xv) ----- is most often done after fixing a problem, adding a new program or making configuration changes.
  - a) shutdown
  - b) restart
  - c) sleep
  - d) Hibernate

2. Explain the difference between impact and non-impact printers. Which one is more advantageous over the other and why ? 5
3. Trace the historical evolution of computer. Is computer becoming the fourth essential need of human being ? Comment. 5
4. Convert the hexadecimal number  $(FAB)_{16}$  to its equivalent binary member. 5
5. Explain the difference between "downloading and uploading" of information. 5
6. What are modems ? What purpose do they serve in data communication systems ? 5
7. What is a hybrid network ? Why are they used ? 5
8. Explain the procedure to add or remove the new programs on to the disk. 5
9. Write short notes on : 5
  - a) Display properties
  - b) System tools.