

Common Instructions to Candidates :

- 1) This is a question cum answer paper booklet.
- 2) Space is provided to write answers below each question. Answer should be written within the space provided.
- 3) This question paper has 9 questions.
- 4) Candidate should not write the answer with pencil. Answer written with pencil will not be evaluated. (Except graphs, diagrams & maps).
- 5) In case of multiple choice, fill in the blanks and matching questions, scratching, rewriting & marking is not allowed. Answers with such errors will not be evaluated.

1. Fill in the blanks with the correct word(s) by selecting from the choices given in the brackets. **[10 x 1 = 10]**

- a) CPU of a computer consists of _____
(ALU and control unit, ALU and memory unit, Memory and input unit).
- b) An example of secondary storage device is _____
(RAM, Keyboard, Floppy disc).
- c) Magnetic tape is an example of _____ memory.
(direct, indirect, serial).
- d) The networking of computers covering a small area is called _____
(LAN, WAN, System).
- e) The smallest individual of a C-Program are called as _____
(C-tokens, C-constants, C-variables).
- f) Better quality of printing can be obtained using _____ printers.
(dot matrix, line, laser).

- g) Multiple branching can be implemented using _____ statement.
(goto, switch, break).
- h) An identifier, whose value does not change throughout the program is called _____.
(constant, variable, label).
- i) C-language was originally developed by _____.
(Brain Kernighan, Dennis Ritchie, Charles-Babbage).
- j) A group of 8 bits is termed as one _____.
(Nibble, Word, Byte).

- 2. a) Define Program. [2]
- b) Write short notes on digital computers. [6]
- c) Define arithmetic logic unit. [2]
- 3. a) Explain the functions of the following keys in a key board. [2]
 - i) Enter key.
 - ii) Scroll lock.
- b) Write short notes on dot matrix printers. [3]
- c) Explain the structure and construction of a CRT with a neat sketch. [5]
- 4. a) Explain DOS commands. [5]
- b) What is mail-merge? [3]
- c) What is Charts? [2]

5. a) Explain the structure of C-language. [3]
b) Write a C program to convert Fahrenheit to Celsius. [7]
6. a) Define C character set. [2]
b) Write a C program to find smallest three numbers using conditional operator. [8]
7. a) Define data types. [2]
b) Write a C-program to convert binary to decimal. [8]
8. a) Define looping. [2]
b) Write a C-program to find wheather a given number is even or odd. [8]
9. a) Define arithmetic operator. [2]
b) Write a C-program to calculate the area of triangle. [8]