



Sample Questions

Syllabus Guidelines: Computer fundamentals, programming methodology, introduction to programming in C++, computer system organization, Multimedia & Web Technology.

- Q.1.** Each command is followed by a meaning, match them
- | Command | Meaning |
|------------------|---|
| (1) END | (A) To allow explanatory remarks to be inserted into the program |
| (2) IF-THEN-ELSE | (B) To terminate program execution, to close all files, and to return to command level |
| (3) GO TO | (C) To make a decision regarding program flow based on the result returned by an expression |
| (4) REM | (D) To branch unconditionally out of the normal program sequence to a specified line number |
- (a) 1B 2C 3D 4A (b) 1D 2A 3B 4C (c) 1A 2B 3C 4D (d) 1C 2D 3A 4B
- Q.2.** Imagine a busy traffic intersection at rush hour in your city. Similar situation occurs within a computer. Electrons are whizzing around at very high speeds, transported this way and that way in the electronic equivalent of a traffic policemen. Impatient hardware peripherals and programs are honking - electronic 'horns' trying to get the policemen's attention. As if the scene were not chaotic enough the mayor of the city (that is the user) wants to come through right now! Somehow everyone gets through : what does the computer contain which keeps their 'traffic' running smoothly
- (a) RAM (b) Central processing unit
 (c) Operating system (d) Computer
- Q.3.** Examine the following statements on hard disk present in a computer.
1. Hard disk stores the computer's operating system and provides space for user's data.
 2. A hard disk has a floating magnetic read/write head moving across the surface of a disk coated with magnetically sensitive material.
 3. It contains two or more vertically stacked platters each with its own read/write head.
 4. There cannot be more than one hard disk in a computer.
 5. Hard disks are enclosed in a sealed container as the read/write head 'floats' just above the magnetic discs, at a distance 3000 times less than the width of human hair. If the head encounters an obstacle such as dust or a smoke particle a head crash would occur.
- Which of the above statements are true.
- (a) 1, 2 and 3 only (b) 1, 2, 4 and 5 only (c) All except 4 (d) 1 and 2 only
- Q.4.** Which of the following statements is correct?
- (a) On-line-system modifications are only made on time sharing basis
 (b) On-line-system modifications can be made from remote only

- (c) On-line-system modifications are not possible without access to the secondary memories.
 (d) On-line-system modification involve direct communication with the computer.
- Q.5.** IBM –1401, CDC–6600, IBM–7030 etc. belong to the
 (a) First generation computers (b) Third generation computers
 (c) Second generation computers (d) Fourth generation computers
- Q.6.** The Memory Buffer Register (MBR)
 (a) is a hardware memory device which denotes the location of the current instruction being executed
 (b) contains a copy of the designated memory location specified by the MAR after a “read” or the new contents of the memory prior to a “write”.
 (c) contains the address of the memory location that is to be read from or stored into
 (d) is a group of electrical circuits (hardware), that performs the intent of instructions fetched from memory.
- Q.7.** Examine the following statements.
 (a) It was first conceived by computer scientist Ivan Sutherland in 1965.
 (b) It refers to the creation of three dimensional world that appears as if you can go inside and explore it.
 (c) Navigation controls enable you to walk around or fly within the simulated world.
 (d) It is used to train fighter pilots and combat soldiers.
 What are we referring to ?
 (a) Cybernetic (b) Virtual reality (c) VRML (d) None of these
- Q.8.** When one-dimensional character array of unspecified length is assigned an initial value,
 (a) An arbitrary character is automatically added to the end of the string.
 (b) Length of the string is added to the end of the string
 (c) '\0' is added at the end of the string. (d) None of these
- Q.9.** Rachita was using the school’s electronic encyclopedia to write a paper for her history class. She wanted to quote the Governor, so she used the electronic notetaking capability of the software and placed the quotation directly into her paper. Which of the following is correct?
 (a) Placing quotations in any research paper requires citing the source to avoid violation of copyright laws.
 (b) Using electronic notetaking eliminates the need to cite references.
 (c) Footnoting of material is handled automatically by electronic encyclopedias
 (d) None of these
- Q.10.** Harish is typing a song on his word processor. The song has four verses, and the chorus is repeated after each verse. What would be the most efficient way to enter the song, making sure the chorus is repeated after each verse?
 (a) Copy the chorus on a copy machine and then cut and paste it into his document
 (b) Use the Copy Command on his word processor
 (c) Type the chorus four times (d) None of these

ANSWER KEY

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|---------------|---------------|---------------|---------------|----------------|
| 1. (a) | 2. (c) | 3. (c) | 4. (d) | 5. (c) |
| 6. (b) | 7. (b) | 8. (c) | 9. (a) | 10. (b) |