

1. Which among the following is the most complete definition of Programming?
  - a) a) Programming is a process to solve any logical problems.
  - b) b) Programming is a process to solve any numerical problem.
  - c) c) Programming *is a process to solve any real life problems.*
  - d) d) Programming is the process of taking an algorithm and encoding it into a notation (using a programming language), so that it can be executed by a computer.

Solution: (d) Programming is the process of taking an algorithm and encoding it into a notation, a programming language, so that it can be executed by a computer

2. Which of the following controls the way in which the computer system works and give means by which users can interact with the computer?
  - a) a) The motherboard
  - b) b) The operating system
  - c) c) The application software
  - d) d) The RAM

Solution: (b) The operating system

3. CPU consists of
  - a) a) ALU, Control Unit
  - b) b) ALU, Main memory, Control Unit
  - c) c) ALU, monitor, Registers
  - d) d) ALU, Control Unit, Hard Disk

Solutions: (a) ALU, Control Unit

4. C was developed by
  - a) a) Alan Turing
  - b) b) Charles Babbage
  - c) c) Ada Lovelace
  - d) d) Dennis Ritchie

Solution: (d) Dennis Ritchie

5. C is-
  - a) a) General-purpose programming language
  - b) b) Domain-specific programming language
  - c) c) Page description programming language
  - d) d) None of the above

Solution: (a) C is a General-purpose programming language

6. The relation between bit and byte in digital logic is
  - a) a) 1 byte = 10 bits
  - b) b) 1 byte = 16 bits
  - c) c) 1 byte = 8 bits
  - d) d) 1 byte = 2 bits

Solution: (c) 1 byte is equal to 8 bits

7. Which of the following is not a programming language?
- a) a) C
  - b) b) Unix
  - c) c) Java
  - d) d) Python

Solution: (b) Unix is an operating system, not a programming language.

8. The binary AND operation of the numbers "100101" and "110011" results (in decimal)
- a) a) 100001
  - b) b) 2
  - c) c) 33
  - d) d) 63

Solution: (c) AND operation between two "1" is one, otherwise zero. Hence, the result is binary "100001" which is 33 in decimal.

9. Which of the following is not an input device of computer?
- a) Printer
  - b) Mouse
  - c) Keyboard
  - d) Joystick

Solution: (a) Printer is an output device. All others are input devices.

10. The process through which an user can find error(s) in a program is called
- a) Compiling
  - b) Searching
  - c) Debugging
  - d) Processing

Solution: (c) Debugging is the process of finding error in a computer program.