

## Unit 01-Central Processing Unit

1. What is the function of central processing unit?

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2. The central processing unit has 3 main parts. Mention those 3 parts.

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3. Explain the function of Mathematical and Logical Unit with examples.

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4. Read the following sentences related to the evolution of computer. If the sentences are true (  $\checkmark$  ) and false (  $\times$  ), put the marks in parentheses.

- i. The first generation of electronic technology used was the transistor. ( )
- ii. In the first generation, a cooling system was needed to contain the heat generated by a computer. ( )
- iii. Integrated circuit is the technology used in the third generation. ( )

- iv. From the first generation to today, the speed of the computer has gradually decreased. ( )
- v. From the first generation to today, the size of the computer has gradually decreased. ( )
- vi. The first generation computer cost a lot of money to manufacture and maintain. ( )
- vii. Megahertz and gigahertz are used to measure the speed of modern computers. ( )

5. Choose the most correct answer

- i. Not a major part of the central processing unit,
  - a) Memory Register
  - b) Control Unit
  - c) Hard disk
  - d) Arithmetic and Logical Unit
- ii. Clock speed is measured in units of,
  - a) GB
  - b) GHz
  - c) Kmph
  - d) TB
- iii. Central processing unit is located on .....
  - a) Keyboard
  - b) Hard disk

c) Motherboard

d) System Unit

iv. Which generation of desktop computers are we using?

a) First Generation

b) Second Generation

c) Third Generation

d) Fourth Generation

6. What is clock speed?

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7. Match the answer that correctly indicates the operating speed of each generation of computers during the evolution of the central processing unit.

First Generation	Nanoseconds
Second Generation	Picoseconds
Third Generation	Milliseconds
Fourth Generation	Microseconds