

Class - VI

Date :- 02.05.24

Ch-1 : 'Computer languages'

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Answer keyA) Blanks :-

- | | | |
|------------|--------------|------------------|
| 1. program | 3. machine | 5. supercomputer |
| 2. five | 4. assembler | |

B) T/F

- | | | |
|---------|----------|----------|
| 1. True | 3. False | 5. False |
| 2. True | 4. True | |

C) Select correct option

- | | | |
|------------------------|----------------|---------------|
| 1. Mainframe Computers | 3. Interpreter | 5. High Level |
| 2. Source | 4. Object | |

D) Answer the following :-

Ans 1. Microcomputers are small in size and less in cost. They are usually designed for personal use, therefore they are also called Personal Computers or PCs. They are mainly used in homes, schools, offices, shops, banks etc. For eg. Desktop Computers, laptops, Handheld devices & Embedded Sys.

Ans 2.

Machine languageAssembly language

1. Machine language is expressed in binary form i.e. 0 and 1 where 0 means off state and 1 means on state.

1. Assembly language uses Mnemonic codes or symbols in place of 0 and 1.

2. It is the only language that a computer understands.

2. Assembly language has to be converted into machine language as computer understands only machine language.

Ans 3. Two characteristics of Supercomputer are:-

1. They are the most powerful computers with a huge processing speed.
2. These computers are used for weather forecasting, space research, satellite control etc.

Ans 4.

Interpreter

1. An interpreter translates a program written in HLL into LLL, line-by-line.
2. Its execution speed is slow.

Compiler

1. A compiler translates whole program at once from HLL to LLL.
2. The execution speed of a compiler is faster as compared to interpreter.

Ans 5. Characteristics of fourth generation language are

1. Machine-independent.
2. Minimum user skills are required to obtain results.
3. Application development tools.

Ans 6.

3rd generation languages

5th generation languages

1. It is used to develop HLL program

2. It uses English words and mathematical operators.

3. For eg. C, C++, Java etc.

1. It is used to develop Artificial Intelligence program.

2. It consists visual tools to develop program

3. For eg. Mercury, OPS 5 etc.