



Name : - _____

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Roll No. :- _____ Worksheet No. PA-1

Date : - _____

Ch. 1 Computer-History & Generations, Ch. 7 Programming Basics

Q-1 Fill in the blank.



- 1) Pascaline was invented by **Blaise Pascal**.
- 2) The principle of **Pascaline** is still used today in water meter, odometer and speedometer.
- 3) The **Raspberry Pi** is a tiny credit card size computer that can be plugged into a computer monitor and it works with a standard keyboard and mouse.
- 4) **Artificial Intelligence (AI)** are capable of learning and taking their own decisions.
- 5) Machine language is also known as **binary language or low level language**.
- 6) Natural language is often associated with **expert system** and **Artificial Intelligence**.
- 7) **Compiler** and **Interpreter** are language processor.
- 8) The **Assembler** is a program used to translate assembly languages.
- 9) **Machine** language is known as first generation language.
- 10) **Natural** language is known as fifth generation language.
- 11) **Low-level** language programs are machine-dependent.
- 12) **High Level** language programs are machine-independent.

Q-2 Write "T" for True and "F" for false.

- | | |
|--|---------------------|
| 1) The first calculating device was Pascaline. | <u>False</u> |
| 2) The computer generation is categorized into five distinct phases. | <u>True</u> |
| 3) Charles Babbage is known as "Father's of Computer". | <u>True</u> |
| 4) The Vacuum tubes were far superior to transistors. | <u>False</u> |
| 5) High Level language is machine-independent. | <u>True</u> |
| 6) Natural Languages are associated with expert systems and AI. | <u>True</u> |
| 7) Flow chart is a step-by-step procedure to solve any task. | <u>False</u> |
| 8) High Level Languages are directly understood by a computer without any translation | <u>False</u> |
| 9) Connector is used to join a part of a flowchart. | <u>True</u> |
| 10) Direction of flow, in a flowchart, should be from top to bottom and left to right. | <u>True</u> |

Q-2 Tick the (✓) correct answers.

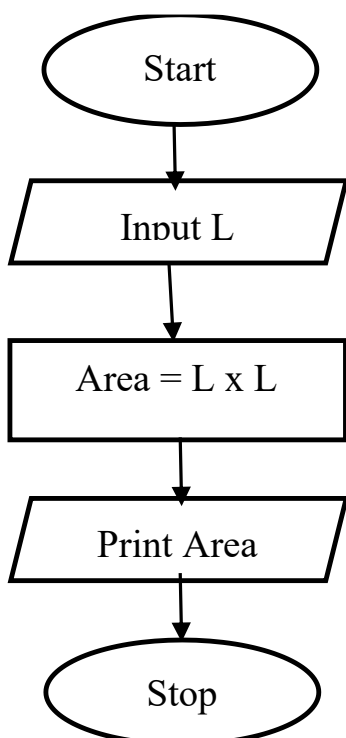
- 1) Which was the first mechanical computer designed by Charles Babbage?
a) **Difference Engine** b) Analytical Engine c) ENIAC
- 2) Which of the following was the first general-purpose electronic digital computer?
a) Z1 b) **ENIAC** c) Mark I
- 3) The UNIVAC computer was developed by:
a) IBM b) Charles Babbage c) **J. Presper Eckert & John Mauchly**
- 4) Which generation of computers began using microprocessors?
a) First b) **Fourth** c) Fifth

- 5) _____ language was used in the first generation of computers.
 a) Cobol **b) machine** c) Fortran
- 6) Which language does not need a translator?
a) Machine b) Assembly c) Natural
- 7) The step-by-step procedure to solve any problem is called _____.
 a) Steps **b) Algorithm** c) Flowchart
- 8) The symbol denotes 
 a) Processing box **b) Start/stop box** c) Input / Output box
- 9) The symbol denotes 
 a) Input / Output b) Start/stop **c) Process**
- 10) Which of the following is not an advantage of a flowchart?
 a) Better communication **b) Improper documentation** c) Systematic testing
- 11) _____ converts source program to machine language.
a) Language processor b) Assembler c) None of these

Q-4 Draw the flowchart for given algorithm.

1. Algorithm:

- Step 1: Start
 Step 2: Take two sides
 Step 3: Calculate area by multiplying two sides
 Step 4: Print the area
 Step 5: Stop



2. Algorithm:

- Step 1: Start
 Step 2: Take two numbers
 Step 3: Divide two numbers
 Step 4: Print the result
 Step 5: Stop

