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

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

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

