NPTEL ASSIGNMENT -
Problem Solving Through Programming In C

WEEK – MCQ QUIZ

Week 1 : Assignment 1

The due date for submitting this assignment has passed.

Due on 2023-08-09, 23:59 IST.

Assignment submitted on 2023-08-09, 23:28 IST

1) What type of device is computer webcam?   *1 point*

- ⚪ a) Memory
- ⚪ b) Output
- ⚪ c) Storage
- ⦿ d) Input

Yes, the answer is correct.
Score: 1
Accepted Answers:
d) Input

2) Set of instructions to be provided to an electronic machine to perform a task is called   *1 point*

- ⦿ a) Programming
- ⚪ b) Processing
- ⚪ c) Computing
- ⚪ d) Compiling

Yes, the answer is correct.
Score: 1
Accepted Answers:
a) Programming

3) Which of the following language does the computer understand?   *1 point*

- ⚪ a) Computer understands only C Language
- ⚪ b) Computer understands only Assembly Language
- ⦿ c) Computer understands only Binary Language
- ⚪ d) Computer understands only BASIC

Yes, the answer is correct.
Score: 1
Accepted Answers:
c) Computer understands only Binary Language

4) Which of the following is known as the language made up of binary-coded instructions?   *1 point*

- ⚪ a) High level
- ⚪ b) BASIC
- ⚪ c) C
- ⦿ d) Machine

Yes, the answer is correct.
Score: 1
Accepted Answers:
d) Machine

5) Algorithm is-   *1 point*

- ⚪ a) A process or set of rules to be followed in calculations or other problem-solving operations, especially by a human.
- ⚪ b) A process or set of rules to be followed to solve numerical problems only.
- ⦿ c) A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer.
- ⚪ d) A process or set of rules to be followed in to solve logical problems only.

Yes, the answer is correct.
Score: 1
Accepted Answers:
c) A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer.

6) A 2D diagram to represent the steps to be followed to solve a problem is known as   *1 point*

- ⦿ a) Flow-chart
- ○ b) Pseudo-code
- ○ c) Both (a) and (b)
- ○ d) None of these

Yes, the answer is correct.
Score: 1
Accepted Answers:
a) Flow-chart

7) Which one of the following statement is the most appropriate?   *1 point*

- ○ a) Pseudo code is basically a diagrammatic representation of the algorithm. Whereas in flowchart normal English language is translated into the programming languages to be worked on.
- ○ b) Flowchart is diagrammatic representation of the algorithm. Pseudo code is just another name of algorithm.
- ○ c) Pseudo code is another name of programming. Whereas in flowchart is diagrammatic representation of algorithm.
- ⦿ d) Flowchart is basically a diagrammatic representation of the algorithm. Whereas in pseudo code normal English language is translated into the programming languages to be worked on.
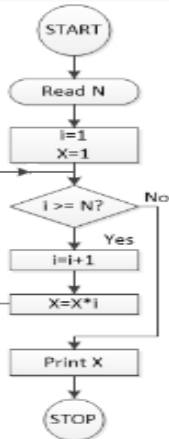
Yes, the answer is correct.
Score: 1
Accepted Answers:
d) Flowchart is basically a diagrammatic representation of the algorithm. Whereas in pseudo code normal English language is translated into the programming languages to be worked on.

8) The input N from the user is 6. The output of the following algorithm is   *1 point*

- ○ a) 21
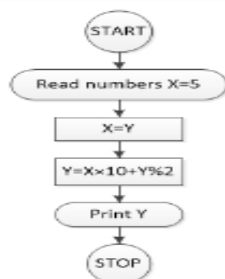- ○ b) 720
- ⦿ c) 1
- ○ d) 1024

Yes, the answer is correct.
Score: 1
Accepted Answers:
c) 1

9) What will be the output of the algorithm given below?   *1 point*

- ○ a) 51
- ○ b) 52
- ○ c) 50
- ⦿ d) Compilation error

Yes, the answer is correct.
Score: 1
Accepted Answers:
d) Compilation error

10) The section of the CPU that selects, interprets and sees to the execution of program instructions   *1 point*

- ○ a) Memory
- ○ b) Register Unit
- ⦿ c) Control Unit
- ○ d) ALU

Yes, the answer is correct.
Score: 1
Accepted Answers:
c) Control Unit