

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:

a) 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:

a) 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.

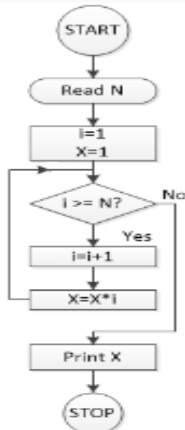
Yes, the answer is correct.
 Score: 1

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

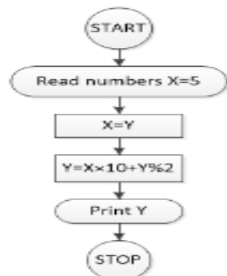
Yes, the answer is correct.
 Score: 1

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