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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Problem Solving Through Programming In C (course)



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Course outline

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 1 : Assignment 1

The due date for submitting this assignment has passed.

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

Assignment submitted on 2023-08-08, 00:15 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



Week 6 ()

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**Problem
Solving
Session -
July 2023 ()**

- ☐ 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 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.

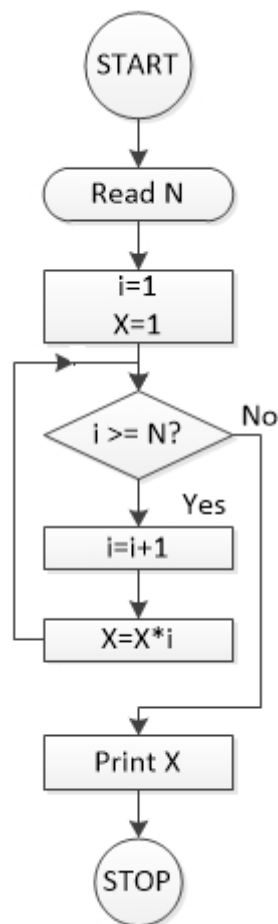
Score: 1

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

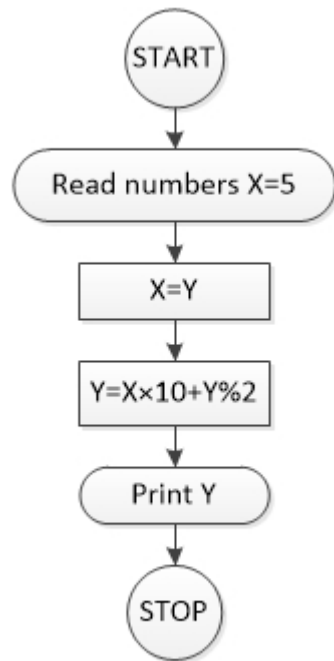
Accepted Answers:

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

