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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 ()

○ Lecture 1 : Introduction (unit? unit=17&lesson=18)

○ Lecture 2: Idea of Algorithms (unit?

Week 1 : Assignment 1

The due date for submitting this assignment has passed.

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

Assignment submitted on 2023-08-06, 09:47 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   **1 point**
instructions?

○ 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.
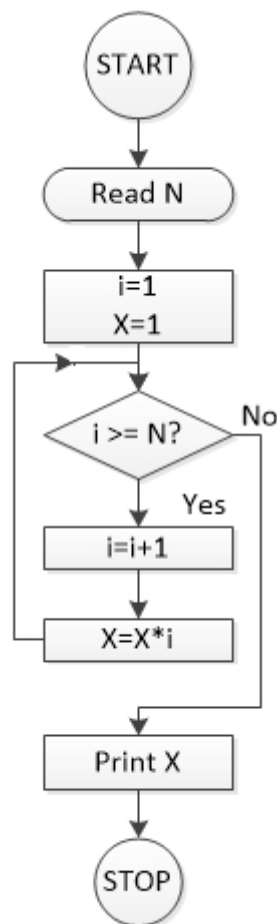
Yes, the answer is correct.
Score: 1

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
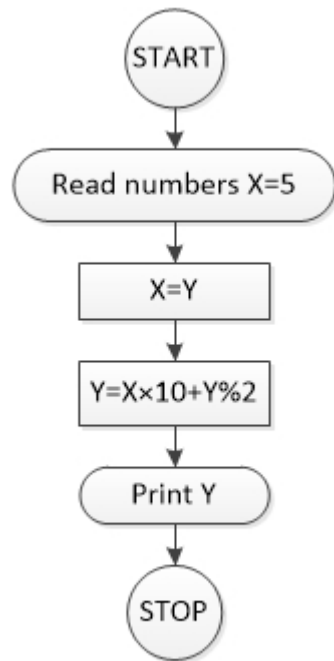
○ b) 720

◉ 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 *1 point*
instructions

a) Memory

b) Register Unit

c) Control Unit

d) ALU

Yes, the answer is correct.
Score: 1

Accepted Answers:
c) Control Unit