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msushilkumar27\_ec@mepcoeng.ac.in ~

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&lesso
  n=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 2023-08-05, 21:20 IST

1) What type of device is computer webcam?

1 point

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
  - 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

unit=17&lesso		
n=19)	a) Computer understands only C Language	
C Lecture 3:	b) Computer understands only Assembly Language	
Flow Chart	c) Computer understands only Binary Language	
and	Od) Computer understands only BASIC	
Pseudocode (unit?	Yes, the answer is correct. Score: 1	
unit=17&lesso	Accepted Answers:	
n=20)	c) Computer understands only Binary Language	
Some	4) Which of the following is known as the language made up of binary-coded 1	point
corrections in	instructions?	
Lecture 3 (unit?	a) High level	
unit=17&lesso	b) BASIC	
n=21)	C) C	
C Lecture 4 :	d) Machine	
Introduction to		
Programming Language	Yes, the answer is correct. Score: 1	
Concepts	Accepted Answers:	
(unit?	d) Machine	
unit=17&lesso n=22)	E\ Algorithma is	naint
C Lecture 5 :	5) Algorithm is-	point
Variables and	a) A process or set of rules to be followed in calculations or other problem-solving	
Memory (unit?	operations, especially by a human.	
unit=17&lesso n=23)	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	
Quiz: Week 1 : Assignment	operations, especially by a computer.	
1	d) A process or set of rules to be followed in to solve logical problems only.	
(assessment?	Yes, the answer is correct. Score: 1	
name=219)	Accepted Answers:	
Feedback	c) A process or set of rules to be followed in calculations or other problem-solving operations	ions,
Form of Week 1 (unit?	especially by a computer.	
unit=17&lesso	6) A 2D diagram to represent the steps to be followed to solve a problem is known as <b>1</b>	point
n=25)		,
Assignment 1	a) Flow-chart	
Solution (unit? unit=17&lesso	b) Pseudo-code	
n=26)	c) Both (a) and (b)	
NA/ I- O ()	d) None of these	
Week 2 ()	Yes, the answer is correct. Score: 1	
Week 3 ()	Accepted Answers:	
	a) Flow-chart	
Week 4 ()	=> >A(())	
Week 5 ()	7) Which one of the following statement is the most appropriate?	point
Week 5 ()	a) Pseudo code is basically a diagrammatic representation of the algorithm. Wherea	ıs in
	flowchart normal English language is translated into the programming languages to be	

#### Week 6 ()

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Problem Solving Session -July 2023 () 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.

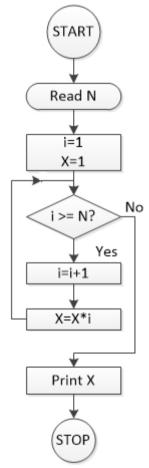
Yes, the answer is correct.

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

No, the answer is incorrect.

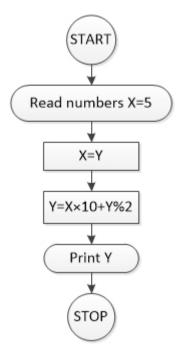
Score: 0

Accepted Answers:

c) 1

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

1 point



- a) 51
- (b) 52
- o c) 50
- d) Compilation error

No, the answer is incorrect.

Score: 0

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
  - Od) ALU

Yes, the answer is correct.

Score: 1

Accepted Answers:

c) Control Unit