C language was developed by

- (a) Dennis Ritchie
- (b) Bjarne Stroustrup
- (c) James Gosling
- (d) Guido van Rossum

No, the answer is incorrect.
Score: 0
Accepted Answers:
- (a) Dennis Ritchie

A 2D diagram to represent the steps to be followed to solve a problem is known as

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

No, the answer is incorrect.
Score: 0
Accepted Answers:
- (a) Flow-chart

Which one of the following statement is the most appropriate?

- (a) Flowchart is diagrammatic representation of the algorithm. Pseudo code is just another name of algorithm.
- (b) Flowchart is basically a diagrammatic representation of the algorithm. Whereas in pseudo code normal English language is translated into the programming language to be worked on.
- (c) 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.
- (d) Pseudo code is another name of programming. Whereas in flowchart is diagrammatic representation of algorithm.

No, the answer is incorrect.
Score: 0
Accepted Answers:
- (b) 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.

The ALU of a computer

- (a) Can perform logical operation only
- (b) Can perform arithmetic operation only
- (c) Can perform both arithmetic and logical operations
- (d) None of the above.

No, the answer is incorrect.
Score: 0
Accepted Answers:
- (c) Can perform both arithmetic and logical operations
5) When we write X=10 and Y=X, which of the following memory assignment is correct?

- a) X and Y will have same location and 10 will be stored.
- b) X and Y will have two distinct locations and 10 will be stored in both.
- c) X and Y will have same location and only X will contain value 10.
- d) X and Y will have two distinct locations and only X will contain value 10.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b) X and Y will have two distinct locations and 10 will be stored in both.

6) If input from the user (for Read N) is 6, the output of the following algorithm will be:

```
START
Read N
i=1
X=1
i < N?
Yes
i=i+1
X=X*i
No
STOP
```

- a) 120
- b) 720
- c) 5040
- d) 1

No, the answer is incorrect.
Score: 0
Accepted Answers:
b) 720
7) X is an integer (X=1234). The print value of Y of the algorithm below is (note: ‘%’ is the modulo operator, which calculates the reminder and ‘/’ gives the quotient of a division operation)

```
START
Read X
Y=0
Y=Y+(X%10)
X=X/10
No
Yes
X=0?
Print Y
STOP
```

- a) 4321
- b) 10
- c) 4
- d) 9

No, the answer is incorrect.
Score: 0
Accepted Answers:
- b) 10

8) The flow chart calculates the HCF of two numbers a and b (where a is greater than or equal to b).
Which of the following conditions need to be put inside the blanks 1 and 2 to calculate the HCF?

```
START
Read a and b (a>=b)
q=(a/b) and r=(a%b)
1
No
2
Print b
STOP
```

- a) 1. r!=0 2. a=r and b=q
- b) 1. q=0 2. a=b and b=r
- c) 1. r=0 2. a=q and b=r
- d) 1. r=0 2. a=b and b=r

No, the answer is incorrect.
Score: 0
Accepted Answers:
d) 1. \( r=0 \) 2. \( a=b \) and \( b=r \)

9) Compiler helps in the translation from
   a) Integer to binary
   b) High-level program to binary digits
   c) High-level language to machine level language
   d) Pseudo code to computer program

No, the answer is incorrect.
Score: 0
Accepted Answers:
   c) High-level language to machine level language

10) Computer memory which is used to store programs and data currently being processed by CPU is

   a) ROM
   b) RAM
   c) Cache memory
   d) PROM

No, the answer is incorrect.
Score: 0
Accepted Answers:
   b) RAM