



Algorithms and Pseudocode (MCQ's)

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1. Which of the following is incorrect?
Algorithms can be represented:
Answer: b
Explanation: Representation of algorithms:
-As programs
-As flowcharts
-As pseudo codes.
2. When an algorithm is written in the form of a programming language, it becomes a
Answer: b
Explanation: An algorithm becomes a program when it is written in the form of a programming language. Thus, any program is an algorithm.
3. Any algorithm is a program.
Answer: b
Explanation: The statement is false. An algorithm is represented in the form of a programming language is called a program. Any program is an algorithm but the reverse is not true.
4. Capitalize initial keyword – This is a rule while writing a pseudo code.
Answer: a
Explanation: The statement is true. It is an important rule to capitalize the initial keyword while writing a pseudo code.



5. Keep the statement language while writing a pseudo code.
Answer: b
Explanation: The statement's language should be independent. Other rules are to write only one statement per line and end multiline structures.
6. Which of the following is not a keyword?
Answer: c
Explanation: Start is not a Keyword. Other words like read, write, if, else, etc are keywords and convey a special meaning.
7 is used to show hierarchy in a pseudo code.
Answer: a
Explanation: Each design structure uses a particular indentation pattern.
Indentation should be considered in the following cases:
Sequence
Selection
Loop.
8 begins with lower case letters.
Answer: b
Explanation: Variables begin with a lowercase. They contain no spaces. They also involve the consistent use of names.

9. A statement used to close the IF block.



Answer: d
Explanation: The answer is ENDIF. It is used to close the IF block. ENDIF statement should be in line with the IF statement.
10. Programming based on stepwise refinement process.
Answer: a
Explanation: Structured programming is based on the stepwise refinement process-a method of problem decomposition common to all engineering disciplines and the physical, chemical, and biological sciences.
11. Top-down approach is followed in structural programming.
Answer: a
Explanation: The statement is true. Structural programming follows the top – down approach. Each module is further divided into sub modules.
12. A is a directed graph that describes the flow of execution control of the program.
Answer: a
Explanation: A flowchart is a directed graph. It simply describes the flow of execution control of the program.
13. A program should be

Explanation: It is natural to write a program as a sequence of program structures such as sequences, choices and loops.

Answer: b



14. The following is the syntax for:
(condition)
Action
Answer: c
Explanation: The if statement follows that syntax. If is a choice statement, Else is also a choice statement.
15. Which of the following is a loop statement?
Answer: c
Explanation: WHILE is a loop statement.
Syntax : while(condition)
action.
16. Semicolon is used after :
Answer: b
Explanation: Semicolon is used after function call otherwise it leads to compile-time errors. It shouldn't be used after definitions. It should also not be used after loops.
17. Which of the following isn't a loop statement?
Answer: b
Explanation: The answer is elif. Elif isn't a loop statement. It is a part of a choice statement.



Different Programming Language, Compiler & Interpreter (MCQ's)

1. What is	s the only thing that computers understand?
a) Machine Code
2. A langu	uage that requires no knowledge of the hardware or the instruction set of the computer is
a)A High Level Language
3. A langu	uage that is close to human language and which is easy to write, debug and maintain is known
a)A High Level Language
4. Resolvi	ing errors in a program is known as
a)Debugging
5. Which	of the following is not a high level programming language?
a)Assembly
	ges that relate to the architecture and hardware of a specific computer are known as
b)Low Level Languages
7 What is	s the name for the software used to convert an assembly language program into machine
code?	s the name for the software used to convert an assembly language program into machine



a) Assembler	
8. The 3 main types of trans	ators are
a)Assemblers, Comp	nilers & Interpreters
9. Which type of translator of level language?	creates an executable file of machine code from a program written in a hig
a)Compiler	
10. Software that translates a?	and executes a high level language program one line at a time is known as
b)Interpreter	
11. An error in a program th	at prevents the program from running as expected.





Flowcharts (MCQ's)

1. The symbol denotes
Answer: c
Explanation: The symbol denotes a terminal. It is used for indication of start and stop nodes of a program.
2. In computer science, algorithm refers to a pictorial representation of a flowchart.
Answer: b
Explanation: The statement is false. The correct statement would be: In computer science, flowchart refers to a pictorial representation of an algorithm.
3. The process of drawing a flowchart for an algorithm is called
Answer: d
Explanation: It is called as flowcharting. A flowchart is nothing but a pictorial representation of an algorithm.
4. Actual instructions in flowcharting are represented in
a) Circles
b) Boxes
c) Arrows
d) Lines



Answer:	b	
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Explanation: The actual instructions are written in boxes. Boxes are connected by using arrows to indicate the exact flow of a flowchart and the order in which they are to be executed.

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5. A box that can represent two different conditions.
a) Rectangle
b) Diamond
c) Circle
d) Parallelogram
Answer: b
Explanation: A diamond shape box denotes either a truth value or a false value. It jumps onto two different statements following it via flow lines.
6. There should be certain set standards on the amount of details that should be provided in a flowchar
a) True
b) False
Answer: b
Explanation: The statement is false. There should be no set standards on the amount of details that should be provided in a flowchart.
7. A detailed flowchart is called
a) Stack
b) Macro
c) Micro



8, 1, 18, 18, 18, 18, 18, 18, 18, 18, 18
d) Union
Answer: c
Explanation: A detailed flowchart or a flowchart with more details is called as micro flowchart. It represents all the components of the algorithm that is followed.
8. Which of the following is not an advantage of a flowchart?
a) Better communication
b) Efficient coding
c) Systematic testing
d) Improper documentation
Answer: d
Explanation: Flowcharts provide a proper documentation. It also provides systematic debugging.
9. A flowchart that outlines the main segments of a program.
a) Queue
b) Macro
c) Micro
d) Union
Answer: b
Explanation: The answer is Macro Flowchart. A macro flowchart outlines the important components of program. It therefore shows fewer details.
10. The operation represented by parallelograms.
a) Input/Output





b) Assignment
c) Comparison
d) Conditions
Answer: a
Explanation: The input/output operations are represented by parallelograms. They generally are used to display messages during input and output part of a program.
11. A is a connector showing the relationship between the representative shapes.
a) line
b) arrow
c) Process
d) box
Answer: b
Explanation: Arrows are the connectors that show the relationship between different shapes. They also show the flow of the program.

