Mid-Term Of FNOP

Q1: What is software program?

Answer. A software program is commonly defined as a set of instructions, or a set of modules or procedures, that allow for a certain type of computer operation. The term is also often used interchangeably with terms like "software application" and "software product."

Q2: Differentiate between Complied and Interpreted language?

Answer. A compiled language is coded by a human, then that source code translates into assembly language so that the target program runs and returns a desired result. An interpreted language, however, is compiled in real time when it's run, and it often uses simpler and more human-friendly syntax for coding.

Q3: Differentiate between Psudocode and algorithm?

Answer. An algorithm is a sequence of steps which is utilized in order to solve a computational problem whereas pseudocode is nothing but a more simple form of an algorithm which involves some part of natural language to enhance the understandability of the high-level programming constructs or for making it more human-friendly.

Q4: What the mathematical operator used in a programming language ?

Answer. In computer programming, four basic ways are used to manipulate numbers: adding, subtracting, multiplying, and

dividing. To perform a mathematical operation with two numbers (or two numbers represented by variables), use these symbols in your computer program:

Q5: Mention any 5 relational operator ?

Answer. 1. Equal to
2. Not Equal to
3. Greater than
4. Less than
5. Greater than or equal to
6. Less than or equal to

Q6: What are the loops?

Answer. Loops offer a quick and easy way to do something repeatedly. This chapter of the JavaScript Guide introduces the different iteration statements available to JavaScript. You can think of a loop as a computerized version of the game where you tell someone to take X steps in one direction, then Y steps in another.

Q7: Write the syntax of while loop in Javascript?

Answer. The syntax of the while loop is: A while loop evaluates the condition inside the parenthesis (). If the condition evaluates to true, the code inside the while loop is executed. The condition is evaluated again. This process continues until the condition is false.

Q8: Write the syntax of for loop in Javascript?

Answer. The for loop has the following syntax: Statement 1 is executed (one time) before the execution of the code block. Statement 2 defines the condition for executing the code block. Statement 3 is

executed (every time) after the code block has been executed. Statement 1 sets a variable before the loop starts (var i = 0).

Q9: What is the software development life cycle?

Answer. What Is the Software Development Life Cycle (SDLC) and Which Method Is the Best? The software development life cycle (SDLC) explains the different stages of software development. This framework is important because it covers the planning, building, deployment, and maintenance of the software.

Q10: Explain the waterfall software development life cycle model?

Answer. Waterfall Software Development Model Definition Waterfall model is a linear (sequential) software development life cycle model that describes development as a chain of successive steps. No phase can be started before or simultaneously with the previous or current one. Let's consider the Waterfall model's main phases as they go.

Q11: Explain the v-shaped software development life cycle model?

Answer. V- model means Verification and Validation model. Just like the waterfall model, the V-Shaped life cycle is a sequential path of execution of processes. Each phase must be completed before the next phase begins. V-Model is one of the many software development models.

Q12: Explain the Agile software development life cycle model?

Answer. Agile Software Development Life Cycle (SDLC) is the combination of both iterative and incremental process models. It focuses on process adaptability and customer satisfaction by rapid delivery of working software product. Agile SDLC breaks down the product into small incremental builds. These builds are provided into iterations.