

1. What is the purpose of C-language Logical Operators? a. To design software systems b. To compare more than one condition **(Correct)** c. To manage software development d. To supervise construction projects
2. How is the logical operator chosen in C-language? a. Randomly b. Depending upon the requirement **(Correct)** c. Based on alphabetical order d. According to the table
3. Which statement is true about the OR logical operator in the given program? a. It gives output = 0 when both conditions are satisfied. b. It gives output = 1 when any of the two conditions is satisfied. **(Correct)** c. It requires both conditions to be True for execution. d. It gives output = 0 when none of the conditions is satisfied.
4. In the provided program, when does the AND operator output 1? a. When both conditions are True b. When any of the two conditions is satisfied. c. When none of the conditions is satisfied. d. When only one condition is True **(Correct)**
5. What is a major challenge in software engineering according to Module 126? a. Lack of logical operators b. Cost overruns and late delivery c. Difficulty in estimating project time d. Lack of prefabricated software components **(Correct)**
6. What distinguishes software engineering from traditional engineering fields in terms of component usage? a. Use of off-the-shelf components b. Lack of generic prefabricated components **(Correct)** c. Domain-specific components d. Limited use of previously designed versions
7. What is a quantitative challenge in measuring software properties? a. Lack of prefabricated components b. Difficulty in estimating project time c. Lack of quantitative techniques for measuring software properties **(Correct)** d. Difficulty in selecting logical operators
8. According to Module 127, what is common between software and other manufactured products in terms of the life cycle? a. Maintenance phase as a

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- repair process b. Maintenance phase as a correction or update process
(Correct) c. Lack of maintenance phase d. Short life cycle
9. Why does software enter the maintenance phase? a. Due to time constraints b. To repair errors c. To introduce more problems d. Errors are discovered, changes in application, or problems induced by modifications **(Correct)**
10. What does the maintenance phase of software often consist of? a. Developing new systems b. Repairing errors c. Correction or updating **(Correct)** d. Studying the underlying program
11. In the software life cycle, what are the major steps according to Module 128? a. Analysis, Design, Implementation, and Testing **(Correct)** b. Design, Testing, Maintenance, and Analysis c. Analysis, Maintenance, Design, and Testing d. Testing, Design, Analysis, and Implementation
12. What is the goal of the Requirements Analysis phase in software development? a. Designing the software b. Identifying time constraints c. Specifying services, identifying conditions, and defining interactions **(Correct)** d. Developing software specifications
13. Who provides significant input in the Requirements Analysis process? a. Software developers b. Project managers c. Stakeholders **(Correct)** d. End-users
14. What does the software requirements specification serve as? a. A guide for project scheduling b. A written agreement between all parties concerned **(Correct)** c. A document for debugging programs d. A feasibility study
15. According to Module 128, what is a major cause of cost overruns and late product delivery in software engineering? a. Lack of logical operators b. Poor communication and changing requirements **(Correct)** c. Difficulty in estimating project time d. Lack of prefabricated components
16. Why do software engineers emphasize frequent communication with stakeholders? a. To create stable software requirements b. To avoid using off-the-shelf components c. To develop new systems d. To prevent cost overruns and late delivery **(Correct)**
17. What is the significance of professional organizations such as IEEE adopting standards for software requirements specification? a. It ensures project

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scheduling b. It guides software development and resolves disputes **(Correct)**
c. It promotes the use of off-the-shelf components d. It simplifies debugging programs

18.What does the software life cycle represent in Figure 97? a. The development process of software b. A cycle of being used and maintained **(Correct)** c. The phases of software engineering d. The different components of software

19.What distinguishes the maintenance phase in software engineering from other manufactured products? a. Repair process b. Correction or updating process **(Correct)** c. Lack of maintenance d. Short duration

20.What does the software life cycle begin with in traditional software development? a. Maintenance b. Implementation c. Requirements Analysis **(Correct)** d. Design

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