

Program: BE Computer Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester VI

Course Code: CSC601 and Course Name: Software Engineering

Time: 1 hour

Max. Marks: 50

Note to the students:- All the Questions are compulsory and carry equal marks .

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| Q1. | Perfective maintenance extends the software beyond its original. |
| Option A: | Software requirements |
| Option B: | Hardware requirements |
| Option C: | Process requirements |
| Option D: | Functional requirements |
| Q2. | Computer software deteriorates due to change, and because of this, preventive maintenance, often called |
| Option A: | Software reengineering |
| Option B: | Software engineering |
| Option C: | Hardware reengineering |
| Option D: | Hardware engineering |
| Q3. | Which of the following diagram is time oriented? |
| Option A: | Collaboration |
| Option B: | Sequence |
| Option C: | Activity |
| Option D: | State chart |
| Q4. | The dynamic aspects related to a system are shown with the help of |
| Option A: | Sequence diagram |
| Option B: | Interaction diagram |
| Option C: | Deployment diagram |
| Option D: | Use case diagram |
| Q5. | Cost and Schedule are part of: |
| Option A: | Product metric |
| Option B: | Process metric |
| Option C: | Project metric |
| Option D: | People metric |
| Q6. | Management Spectrum has: |
| Option A: | Only finish line |
| Option B: | Start phase and finish line |

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| Option C: | No finish line |
| Option D: | No change phase |
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| Q7. | Which of the following is not the golden rule for user interface design? |
| Option A: | Place the user in control |
| Option B: | Reduce the user's memory load |
| Option C: | Make the interface consistent |
| Option D: | Risk identification |
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| Q8. | When users are involved in complex tasks, the demand on _____ can be significant. |
| Option A: | short-term memory |
| Option B: | Shortcuts |
| Option C: | Objects that appear on the screen |
| Option D: | Menu options |
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| Q9. | At the end of formal technical review all attendees can decide to |
| Option A: | Accept the work product without modification |
| Option B: | Modify the work product and continue the review |
| Option C: | Reject the work product due to severe errors |
| Option D: | A and C |
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| Q10. | A summary report answers which three questions? |
| Option A: | Terminate the project, replace producer, request a time extension |
| Option B: | What was reviewed, who reviewed it and what were the findings |
| Option C: | What defects were found ,what caused defects, who was responsible |
| Option D: | None of the given |
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| Q11. | In which of the following testing strategies, a smallest testable unit is encapsulated class or object? |
| Option A: | Unit testing |
| Option B: | Smoke testing |
| Option C: | Integration testing |
| Option D: | Black Box testing |
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| Q12. | Cost of error correction is least at: |
| Option A: | Design Stage |
| Option B: | Requirements Analysis Stage |
| Option C: | Development Stage |
| Option D: | Implementation Stage |
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| Q13. | The models which are iterative and are characterized in a manner that enables software engineers to develop increasingly more complete versions of the software. |
| Option A: | Prototype |
| Option B: | Evolutionary |
| Option C: | Incremental |
| Option D: | Spiral |

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| Q14. | A college first starts with a building. It then elects the professors and forms the departments. Initially a department may contain no student. Students will be allocated to one department atleast but cannot be allocated to more than 3 departments. Identify the cardinality between Department and Student. |
| Option A: | Department: 1 and Student: 1..* |
| Option B: | Department: * and Student: 1..* |
| Option C: | Department: 1..3 and Student: * |
| Option D: | Department: * and Student: * |
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| Q15. | Which of the following devices are mainly responsible for the user interface? |
| Option A: | Memory devices |
| Option B: | Input and output devices |
| Option C: | Processing devices |
| Option D: | Network devices |
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| Q16. | Which one of the following define the characteristic of a good user interface? |
| Option A: | Error recovery, feedback and consistency |
| Option B: | Keyboard data entry |
| Option C: | Menu Options |
| Option D: | Font size |
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| Q17. | Degree to which design specifications are followed in manufacturing the product is called |
| Option A: | Quality Control |
| Option B: | Quality of Conformance |
| Option C: | Quality Assurance |
| Option D: | None of the mentioned |
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| Q18. | Exhaustive testing is |
| Option A: | Always Possible |
| Option B: | Practically Possible |
| Option C: | Impractical but Possible |
| Option D: | Impractical but Impossible |
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| Q19. | What is validating the completeness of a product? |
| Option A: | Identification |
| Option B: | Software Testing |
| Option C: | Auditing and Reviewing |
| Option D: | Status Accounting |
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| Q20. | Which of the following is not regression test case? |
| Option A: | A representative sample of tests that will exercise all software functions |
| Option B: | Additional tests that focus on software functions that are likely to be affected by the change |
| Option C: | Tests that focus on the software components that have been changed |
| Option D: | Low-level components are combined into clusters that perform a specific software sub-function. |

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| Q21. | Purpose of Earned Value Analysis is: |
| Option A: | Provide quantitative means of project progress |
| Option B: | Provide qualitative means of project progress |
| Option C: | Set price point for product |
| Option D: | Determine developers productivity |
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| Q22. | Activity Network consists of : |
| Option A: | CPM and PERT |
| Option B: | CPM and DRE |
| Option C: | DRE and FP |
| Option D: | CPM and FP |
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| Q23. | Which of the following errors should not be tested when error handling is evaluated? |
| Option A: | Error description is impossible to understand |
| Option B: | Error noted does not correspond to error encountered |
| Option C: | Error condition causes system intervention |
| Option D: | Error description provide enough information to assist in the location of the cause of the error |
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| Q24. | Aggregation is which of the following |
| Option A: | Expresses a part-of relationship and is a stronger form of an association relationship. |
| Option B: | Expresses a part-of relationship and is a weaker form of an association relationship. |
| Option C: | Expresses and is-a relationship and is a stronger form of an association relationship. |
| Option D: | Expresses and is-a relationship and is a weaker form of an association relationship |
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| Q25. | In addition to the emphasis placed on early negotiation, the WINWIN spiral model introduces three process milestones, called. |
| Option A: | Corner points |
| Option B: | Big points |
| Option C: | Square points |
| Option D: | Anchor points |