# Vidyavardhini's College of Engineering & Technology, Vasai

## Department of Computer Engineering
### Academic Year 2020-21

**Sub: Software Engineering (CSC601)**

**Year/Sem:- TE/ Sem VI**
**Max. Marks: 50**

| Q.No. | Questions | Marks |
|---|---|---|
| 1 | The Incremental Model is a result of combination of elements of which two models? <br> a) Build & FIX Model & Waterfall Model <br> b) Linear Model & RAD Model <br> c) Linear Model & Prototyping Model <br> d) Waterfall Model & RAD Model | 2 |
| 2 | The spiral model has two dimensions namely _____ and _____ <br> a) diagonal, angular <br> b) radial, perpendicular <br> c) radial, angular <br> d) diagonal, perpendicular | 2 |
| 3 | If you were to create client/server applications, which model would you go for? <br> a) WINWIN Spiral Model <br> b) Spiral Model <br> c) Concurrent Model <br> d) Incremental Model | 2 |
| 4 | Which of the following is not a diagram studied in Requirement Analysis ? <br> a) Use Cases <br> b) Entity Relationship Diagram <br> c) State Transition Diagram <br> d) Activity Diagram | 2 |
| 5 | _____ and _____ are the two issues of Requirement Analysis. <br> a) Performance, Design <br> b) Stakeholder, Developer <br> c) Functional, Non-Functional <br> d) None of the mentioned | 2 |

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| 6 | The requirements that result from requirements analysis are typically expressed from one of three perspectives or views. What is that perspective or view ?<br>a) Developer<br>b) User<br>c) Non-Functional<br>d) Physical | 2 |
| 7 | How many feasibility studies is conducted in Requirement Analysis ?<br>a) Two<br>b) Three<br>c) Four<br>d) None of the mentioned | 2 |
| 8 | Every task that is scheduled should be assigned to a specific team member is termed as<br>a) Compartmentalization<br>b) Defined milestones<br>c) Defined responsibilities<br>d) Defined outcomes | 2 |
| 9 | Which of the following is an activity that distributes estimated effort across the planned project duration by allocating the effort to specific software engineering tasks?<br>a) Software Macroscopic schedule<br>b) Software Project scheduling<br>c) Software Detailed schedule<br>d) None of the mentioned | 2 |
| 10 | Ensuring that no more than the allocated number of people are allocated at any given time in Software Scheduling is known as<br>a) Time Allocation<br>b) Effort Validation<br>c) Defined Milestone<br>d) Effort Distribution | 2 |
| 11 | Which of the following is a project scheduling method that can be applied to software development?<br>a) PERT<br>b) CPM<br>c) CMM<br>d) Both PERT and CPM | 2 |
| 12 | Which of the following truly describes the approach determining functional component?<br>a) This approach is based on studying the SRS and brainstorming candidate architectural constituents responsible for coherent collections of functional and data requirements<br>b) This approach begins by forming constituent and constituent relationship to satisfy non functional requirements | 2 |

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| | c) This approach is used for similar program if architecture is available, it can be used as starting point<br>d) This approach describes the problem | |
| 13 | Functional components for a working models can be stated as which of the following?<br>a) Configuring Process Start up<br>b) Providing User interface<br>c) Allowing user to monitor and repair the system<br>d) All of the mentioned | 2 |
| 14 | Which of the following statement is true?<br>a) Device interface module is a software simulation of, or interface to, a real hardware device or system<br>b) A virtual device is a way to design a program with complex interfaces to device or other systems<br>c) The program units in the device interface module hides all details of interaction with hardware devices<br>d) Device interface module is a software simulation | 2 |
| 15 | Which among these best represents simplicity for an ideal device?<br>a) Do exactly one job completely<br>b) Be loosely coupled to the rest of the program<br>c) Have a simple and consistent interface meeting the needs of the rest of the program<br>d) Never change its interface | 2 |
| 16 | Which among these signifies Applying mid-level design pattern?<br>a) The best features of two or more design alternatives can be combined into an improved design<br>b) The approximate particular style may be improved by modifying them to fit the style exactly<br>c) The architectural styles applied at low level of abstraction<br>d) None of the mentioned | 2 |
| 17 | Which of the following is not a SQA plan for a project?<br>a) evaluations to be performed<br>b) amount of technical work<br>c) audits and reviews to be performed<br>d) documents to be produced by the SQA group | 2 |
| 18 | Which of the following is not included in External failure costs?<br>a) testing<br>b) help line support<br>c) warranty work<br>d) complaint resolution | 2 |
| 19 | Which of the following is not an appraisal cost in SQA?<br>a) inter-process inspection<br>b) maintenance | 2 |

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| | c) quality planning<br>d) testing | |
| 20 | What is not included in prevention costs?<br>a) quality planning<br>b) formal technical reviews<br>c) test equipment<br>d) equipment calibration and maintenance | 2 |
| 21 | Which of the following risk is the failure of a purchased component to perform as expected?<br>a) Product risk<br>b) Project risk<br>c) Business risk<br>d) Programming risk | 2 |
| 22 | Which of the following term is best defined by the statement: "There will be a change of organizational management with different priorities."?<br>a) Staff turnover<br>b) Technology change<br>c) Management change<br>d) Product competition | 2 |
| 23 | What assess the risk and your plans for risk mitigation and revise these when you learn more about the risk?<br>a) Risk monitoring<br>b) Risk planning<br>c) Risk analysis<br>d) Risk identification | 2 |
| 24 | Which of the following risks are derived from the software or hardware technologies that are used to develop the system?<br>a) Managerial risks<br>b) Technology risks<br>c) Estimation risks<br>d) Organizational risks | 2 |
| 25 | Risk management is one of the most important jobs for a<br>a) Client<br>b) Investor<br>c) Production team<br>d) Project manager | 2 |