Yashwantrao Chavan College of Science, Karad
Department of Computer Science Question Bank,2023-2024

Subject: Software Engineering
Paper No: XI

1) The process of developing a software product using software engineering principles and methods is referred to as_____.
   i) Software Engineering   ii) software Evolution
   iii) Software Models   iv) System Models

2) Types of Requirements_____and_____.
   i) Functional , non- functional   ii) software , process
   iii) Model , Process   iv) Quality , Metrics

3) Efficiency in a software product does not include_____.
   i) processing time   ii) licensing
   iii) responsiveness   iv) memory utilization

4) Spiral Model was developed by
   i) Berry Boehm   ii) Bev Littlewood
   iii) Victor Bisili   iv) Roger Pressman

5) RAD stands for_____
   i) Rapid Application Development   ii) Required Application Development
   iii) Rapid Application Developers   iv) Rapid Application Disposition

6) Which one of the following is not a phase of Prototyping Model?
   i) Quick Design   ii) Coding
   iii) Prototype Refinement   iv) Engineer Product

7) RAD Model has
   i) 2 phases   ii) 3 phase
   iii) 5 phases   iv) 6 phases

8) SRS stands for _____
   i) Software requirement specification   ii) system requirement space
   iii) Software review specification   iv) software reload space

9) Attributes of good Software is _____
   i) Development   ii) Maintainability & functionality
   iii) Functionality   iv) Maintainability

10) SQM stands for _____
    i) Software Quality Management   ii) System Quest Mentioned
    iii) Software Quality Mentioned   iv) Software Quality Module

11) _____ is Set of Programs.
    i) Process   ii) Designing
    iii) Software   iv) Analysis

12) Generic & _____ are two kinds of software products.
    i) CAM   ii) Customised
    iii) Embedded   iv) SQM

13) Waterfall model is not suitable for
    i) Complex projects   ii) Accommodating changes
    iii) responsiveness   iv) memory utilization

14) The Context diagram is also knows as _____.
    i) Level -0 DFD   ii) Level -1 DFD
    iii Level -2 DFD   iv) Level -3 DFD

15) How many type of cohesion are there in software design
    i) 5   ii) 6
    iii) 7   iv) 8

16) Which type of DFD concentrates on the system process, and flow of data in the system.
    i) Confidentiality   ii) Intellectual property rights
    iii) Both Confidentiality & Intellecual property rights   iv) Manging client Relationships

17) Which of the following is the first step in SDLC framework ?
    i) Feasibility Study   ii) Requirement Gathering
    iii) Communication   iv) System Analysis

18) The two dimensions of spiral model are
    i) radial, angular   ii) diagonal, angular
    iii) radial, perpendicular   iv) diagonal, perpendicular

19) Which one of the following is not a software process quality ?
   i) Productivity
   ii) Timeliness
   iii) Portability
   iv) Visibility

20) What is DFD stands for_____.
   i) Data Flow Diagram
   ii) Data Flowchart Diagram
   iii) Depict Flow Diagram
   iv) Data Flow Depicts

21) Which one of the following model is not suitable for accommodating any changes?
   i) Build & Fix Model
   ii) Waterfall Model
   iii) RAD Model
   iv) Prototyping Model

22) Who is the Father of Software Engineering ?
   i) Watts S. Hamilton
   ii) Margaret Hamilton
   iii) Alan Turing
   iv) Boris Beizer

23) _____ is a software development activity that is not a part of software processes.
   i) Validation
   ii) Specification
   iii) Development
   iv) Dependence

24) CASE Stands for _____
   i) Computer – Aided Software Engineering
   ii) Control Aided Science and Engineering
   iii) Cost Aided System Experiments
   iv) None of the mentioned

25) How many levels of DFD is_____.
   i) 2
   ii) 3
   iii) 4
   iv) 1

26) What is the first step in the software development lifecycle ?
   i) Preliminary Investigation and Analysis
   ii) Coding
   iii) System Design
   iv) System Testing

27) what is the second stpes in the SDLC?
   i) System Deign
   ii) Coding
   iii) Analysis
   iv) testing

28) Rapid Application_____.
   i) Document
   ii) Development
   iii) Development
   iv) Desing

29) Model Selection is Based on _____
   i) Requirements
   ii) Development team & users
   iii) Project type & Associated risk
   iv) All of the above

30) Spiral is _____
   i) Model   ii) Process
   iii) Documents   iv) software

31) Prototyping is _____
   i) Process   ii) Model
   iii) Software   iv) Application

32) When can white – box testing be started?
   i) After Programming   ii) After SRS creation
   iii) After installation   iv) After designing

33) By Whom is unit testing done?
   i) Users   ii) Developers
   iii) Customers   iv) Agents

34) _____application Development.
   i) Recent   ii) Rapid
   iii) Relative   iv) Register

35) The SRS document is also known as_____Specification.
   i) Black box   ii) white box
   iii) Grey box   iv) unit box

36) COCOMO stands for _____.
   i) Consumed Cost Model.   ii) Constructive cost Model
   iii) Common control Model   iv) Composite cost Model

37) Software Requirement_____.
   i) Specification   ii) Documentation
   iii) Model   iv) Testing

38) Software configuration_____plan.
   i) Management   ii) Method
   iii) Model   iv) Requirements

39) What is SDLC stands for_____.
   i) Software life development cycle   ii) System depended life cycle
   iii) Software Development Life Cycle   iv) Software Development licence cycle

40) Attributes of good Software is _____
   i) Development   ii) Functionality
   iii) Maintainability & Functionality   iv) Maintainability

Q.2) Attempt any two of the following [16]

    (Question3 attempt 2, Each Question 8 marks)

    1) What is Software Engineering? Explain need for Software Engineering.

    2) What is Testing ? Explain types of Testing.

    3) Explain Project scheduling and staffing.

    4) Explain SDLC ?

    5) Explain Structure of SRS

    6) Explain Prototyping model

    7) Explain Spiral Model.

    8) What is Fact finding Methods

    9) Explain difference between Program VS Software.

    10) Explain Water full Model.

    11) What is Software Requirement Specification ? Explain Components of SRS.

    12) Explain Project Scheduling and Staffing.

    13) Explain Structure of SRS

    14) What is Process Model ? Explain any two process model.

    15) What is software configuration management plan?

Q.3) Attempt any four of the following [16]

    (Question 6 attempt 4, Each Question 4 marks)

    1) Explain Risk Management?

    2) Explain Fact finding methods

    3) What is Quality plan?

    4) Explain Software Development life Cycle?

    5) What is verification?

    6) Explain Types of Testing

    7) What is designing?

    8) Explain Design Principles.

    9) Fact finding Methods

    10) Difference between Software Product VS Program.

    11) Explain Types of Testing

    12) Difference between Black Box testing Vs White box testing.

    13) Explain Requirement Analysis?

    14) what is verification ?

    15) Explain Need for Software Engineering.

    16) Prototyping Model Vs Spiral Model.

    17) Spiral Model Vs Water fall Model.

    18) What is Quality Plan.

    19) What is Requirement Analysis and Specification?

    20) Explain Programming Principles.

    21) What is Black Box Testing.

    22) Difference between Water fall Model Vs Prototyping Model

    23) Explain Concept of RAD?

    24) Explain Concept of Logic and Algorithm Design.

    25) Explain Time Boxing Model.

    26) Explain Solutions for Software crisis.

    27) Explain Software Engineering Approach.

    28) What is White Box Testing?

    29) Explain Coding Process.

    30) What is Testing Process?