



Department of Computer Science and Engineering
CS8494 Software Engineering
Unit II - MCQ Bank

1. Which one of the following is a functional requirement ?

- a) Maintainability
- b) Portability
- c) Robustness
- d) None of the mentioned

Answer: d

2. "Consider a system where, a heat sensor detects an intrusion and alerts the security company." What kind of a requirement the system is providing ?

- a) Functional
- b) Non-Functional
- c) Known Requirement
- d) None of the mentioned

Answer: a

3. How many classification schemes have been developed for Non-Functional Requirement - NFRs ?

- a) Two
- b) Three
- c) Four
- d) Five

Answer: d

4. Which of the following is not a diagram studied in Requirement Analysis ?

- a) Use Cases
- b) Entity Relationship Diagram
- c) State Transition Diagram
- d) Activity Diagram

Answer: d

5. How many feasibility studies is conducted in Requirement Analysis ?

- a) Two
- b) Three
- c) Four
- d) None of the mentioned

Answer: b

6. Which one of the following is not a step of requirement engineering?

- a) elicitation
- b) design
- c) analysis
- d) documentation

Answer: b

7. FAST stands for

- a) Functional Application Specification Technique
- b) Fast Application Specification Technique
- c) Facilitated Application Specification Technique
- d) None of the mentioned

Answer: c

8. The user system requirements are the parts of which document ?

- a) SDD
- b) SRS
- c) DDD
- d) SRD

Answer: b

9. Which is one of the most important stakeholder from the following ?

- a) Entry level personnel
- b) Middle level stakeholder
- c) Managers
- d) Users of the software

Answer: d

10. Which of the following is not an activity of Structured Analysis (SA) ?

- a) Functional decomposition
- b) Transformation of a textual problem description into a graphic model
- c) All the functions represented in the DFD are mapped to a module structure
- d) All of the mentioned

Answer: c

11. To arrive at a form which is suitable for implementation in some programming language is the purpose of

- a) Structured Analysis (SA)
- b) Structured Design (SD)
- c) Detailed Design (DD)
- d) None of the mentioned

Answer: b

12. The context diagram is also known as

- a) Level-0 DFD
- b) Level-1 DFD
- c) Level-2 DFD
- d) All of the mentioned

Answer: a

13. A directed arc or line in DFD represents

- a) Data Store
- b) Data Process
- c) Data Flow
- d) All of the mentioned

Answer: c

14. Data Store Symbol in DFD represents a

- a) Physical file
- b) Data Structure
- c) Logical file
- d) All of the mentioned

Answer: d

15. What is the first step of requirement elicitation ?

- a) Identifying Stakeholder
- b) Listing out Requirements
- c) Requirements Gathering
- d) All of the mentioned

Answer: a

16. Arrange the tasks involved in requirements elicitation in an appropriate manner.

- i. Consolidation
- ii. Prioritization
- iii. Requirements Gathering
- iv. Evaluation

- a) iii, i, ii, iv
- b) iii, iv, ii, i
- c) iii, ii, iv, i
- d) ii, iii, iv, i

Answer: b

17. What kind of approach was introduced for elicitation and modelling to give a functional view of the system ?

- a) Object Oriented Design (by Booch)
- b) Use Cases (by Jacobson)
- c) Fusion (by Coleman)
- d) Object Modeling Technique (by Rumbaugh)

Answer: b

18. What requirement gathering method developed at IBM in 1970s is used for managing requirement elicitation ?

- a) JAD
- b) Traceability
- c) FAST
- d) Both JAD and Traceability

Answer: d

19. _____ and _____ are the two view points discussed in Controlled Requirements Expression (CORE).

- a) Functional, Non-Functional
- b) User, Developer
- c) Known, Unknown
- d) All of the mentioned

Answer: a

20. What of the following is not an output of a JAD session ?

- a) Context Diagrams
- b) DFDs
- c) ER model
- d) UML diagrams

Answer: d

21. The SRS is said to be *consistent* if and only if

- a) its structure and style are such that any changes to the requirements can be made easily while retaining the style and structure
- b) every requirement stated therein is one that the software shall meet
- c) every requirement stated therein is verifiable
- d) no subset of individual requirements described in it conflict with each other

Answer: d

22. Which of the following is not included in SRS ?

- a) Performance
- b) Functionality
- c) Design solutions
- d) External Interfaces

Answer: c

23. Which two requirements are given priority during Requirement Management of a product ?

- a) User and Developer
- b) Functional and Non-functional
- c) Enduring and Volatile
- d) All of the mentioned

Answer: c

24. Why is Requirements Management Important ? It is due to the changes

- a) to the environment
- b) in technology
- c) in customer's expectations
- d) in all of the mentioned.

Answer: d

25. Which of the following is not a Requirement Management workbench tool ?

- a) RTM
- b) DOORS
- c) Rational Suite
- d) RDD 100

Answer: c

26. Which of the following is a requirement management activity ?

- a) Investigation
- b) Design
- c) Construction and Test
- d) All of the mentioned

Answer: d

27. According to a statistical report: “over 30% of all software projects are cancelled before completion and over 70% of the remainder fail to deliver expected features”. What must be the reason for such a situation ?

- a) Poor change management
- b) Poor requirements management
- c) Poor quality control
- d) All of the mentioned

Answer: b

28. The process together the software requirements from Client, Analyze and Document is known as _____ .

- a) Requirement engineering process
- b) Requirement elicitation process
- c) User interface requirements
- d) Software system analyst

Answer: a

29. Software Requirement Specification should come up with following features:

- 1) User Requirements are expressed in natural language.
- 2) Technical requirements are expressed in structured language, which is used inside the organization.
- 3) Design description should be written in Pseudo code.

- a) statement 1, 2 , 3 are TRUE
- b) statement 1, 2 are TRUE
- c) statement 2 , 3 are FALSE
- d) statement 1, 2 , 3 are FALSE

Answer: a

30. Which document is created by system analyst after the requirements are collected from Various stakeholders?

- a) Software requirement specification
- b) Software requirement validation
- c) Feasibility study
- d) Requirement Gathering

Answer: a