

Software Engineering MCQs [set-2]

26. In planning a software project one would

- A. find ways to produce results using limited resources
- B. pad the schedule to accommodate errors
- C. overestimate the budget
- D. structure the team to prevent administrative interference

Answer: A

Explanation:- in planning a software project i would find ways to produce results using limited resources

27. A systematic approach to software development, as epitomized by the various life-cycle models, is useful in

- A. helping us understand the nature of the software product
- B. convincing the customer that we know what we are doing
- C. filling texts on software engineering
- D. managing the various activities necessary to get the job done

Answer: D

Explanation:- a systematic approach to software development, as epitomized by the various life-cycle models, is useful in managing the various activities necessary to get the job done.

28. A process view in software engineering would consider which of the following

- A. product performance
- B. staffing
- C. functionality
- D. reliability

Answer: B

Explanation:- staffing is the apt choice among the given

29. What would be investigated during Requirements analysis?

- A. system performance , test scheduling, organizational structure
- B. languages , platforms, competition
- C. system context , user populations, user tasks
- D. verification, formal methods, accuracy

Answer: C

Explanation:- c is the right choice.

30. Which of the following is not a description of planning?

- A. planning is used to find credible ways to produce results with limited resources and limited schedule flexibility
- B. planning is finding new personnel resources to support labor intensive development
- C. planning is identifying and accommodating the unforeseen
- D. planning is blending the efforts of many people to produce a product that satisfies the customer's need

Answer: B

Explanation:- planning is finding new personnel resources to support labor intensive development is not descriptive of planning

31. The information we need to capture during requirements analysis not include

- A. hiring authority
- B. communication paths
- C. synchronization
- D. temporal dependencies

Answer: A

Explanation:- the information we need to capture during requirements analysis would probably not include hiring authority .

32. Which among the following measures how strongly the elements within a module are related?

- A. coupling
- B. cohesion
- C. aggregation
- D. inheritance

Answer: B

Explanation:- cohesion measures how strongly the elements within a module are related.

33. What do you call, when the elements of a module, all operate on the same data?

- A. functional cohesion
- B. temporal cohesion
- C. procedural cohesion
- D. communicational cohesion

Answer: D

Explanation:- when the elements of a module all operate on the same data we call it as a communicational cohesion.

34. Which tests are designed to confront the program with abnormal situations?

- A. recovery testing
- B. security testing
- C. stress testing
- D. performance testing

Answer: C

Explanation:- stress testing is to confront the program with abnormal situations.

35. Which is not involved in software development process?

- A. people
- B. problem
- C. practice
- D. process

Answer: C

Explanation:- practice is not involved in software development process.

36. How does a software project manager need to act to minimize the risk of software failure?

- A. double the project team size
- B. request a large budget
- C. form a small software team
- D. track progress

Answer: D

Explanation:- a software project manager need to act to minimize the risk of software failure by tracking the progress of software

37. To be an effective aid in process improvement the baseline metrics used must be

- A. based on reasonable estimates from failed projects
- B. measured consistently across projects
- C. drawn from large projects only
- D. based only on successful projects

Answer: B

Explanation:- to be an effective aid in process improvement the baseline metrics used must be measured consistently across projects

38. Empirical estimation models are typically based on

- A. expert judgment based on past project experiences
- B. refinement of current project estimation
- C. regression models derived from historical project data
- D. trial and error determination of the parameters and coefficients

Answer: C

Explanation:- empirical estimation models are typically based on regression models derived from historical project data.

39. Which of the following is not the guiding principle of software project scheduling?

- A. compartmentalization
- B. market assessment
- C. time allocation
- D. effort validation

Answer: B

40. PERT.

- A. both (i) and (iii) above
- B. both (i) and (iv) above
- C. both (ii) and (iv) above
- D. both (ii) and (iii) above

Answer: B

Explanation:- two tools for computing critical path and project completion times from activity networks are cpm & pert

41. The purpose of earned value analysis is to

- A. determine how to compensate developers based on their productivity

- B. provide a quantitative means of assessing software project progress
- C. provide a qualitative means of assessing software project progress
- D. set the price point for a software product based on development effort

Answer: B

Explanation:- the purpose of earned value analysis is to provide a quantitative means of assessing software project progress

42. The rapid application development model is

- A. same as component-based development
- B. a useful approach when a customer cannot define requirements clearly
- C. a high-speed adaptation of the linear sequential model
- D. same as incremental model

Answer: C

Explanation:- the rapid application development model is a high-speed adaptation of the linear sequential model.

43. Which of the following is not an objective for building analysis models?

- A. define set of software requirements that can be validated
- B. describe customer requirements
- C. develop a solution for the problem
- D. establish basis for software design

Answer: C

Explanation:- develop a solution for the problem is not an objective for building analysis models?

44. The entity relationship diagram

- A. depicts relationships between data objects
- B. depicts functions that transform the data flow
- C. indicates how data are transformed by the system

D. indicates system reactions to external events

Answer: A

Explanation:- the entity relationship diagram depicts relationships between data objects

45. Which of the following is not an area of concern in the design model?

- A. architecture
- B. data design
- C. interfaces design
- D. project scope

Answer: D

Explanation:- project scope is not an area of concern in the design model

46. Coupling is a qualitative indication of the degree to which a module

- A. can be written more compactly
- B. focuses on just one thing
- C. is able to complete its function in a timely manner
- D. is connected to other modules

Answer: D

Explanation:- coupling is a qualitative indication of the degree to which a module is connected to other modules.

47. Provide an on-line tutorial

- A. only (i) above
- B. only (ii) above
- C. only (iii) above
- D. (i), (ii) and (iii) above

Answer: D

Explanation:- the following define intuitive shortcuts ,disclose information in a progressive fashion, establish meaningful defaults interface design principles reduces the user's memory load

48. Black box testing is also called

- A. specification-based testing
- B. structural testing
- C. verification
- D. unit testing

Answer: A

Explanation:- black box testing is another name for specification-based testing.

49. Which configuration objects would not typically be found in the project database?

- A. design specification
- B. marketing data
- C. executable code
- D. test plans

Answer: B

Explanation:- marketing data configuration objects would not typically be found in the project database

50. Statistical quality control.

- A. only (i) above
- B. only (ii) above
- C. only (iii) above
- D. both (i) and (ii) above

Answer: C

Explanation:- the following task statistical quality control is not part of software configuration management

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