

SOFTWARE ENGINEERING BASED COMPUTER MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Q1. An inter change of information between computer systems and peoples or between people.

- a) Compatibility
 - b) Compactness
 - c) Coding
 - d) Communication
-

Q2. Risk monitoring process

- a) Extent to which a software module can be used in more than one computing program
 - b) It involves regular monitoring of the risks identified and of new risks that develops.
 - c) It considers each of the key risks that are identified and identifies strategies to manage the risk.
 - d) None of these
-

Q3. In system modeling: A-Architectural model: B-Stimulus-response model: C-Behavioral models::1-Used to describe the overall behavior of the system: 2-State transition diagram show how the system reacts to internal and external events:3- Shows principal sub-systems which makes the system

- a) A-1, B-2, C-3
 - b) A-2, B-3, C-1
 - c) A-3, B-2, C-1
 - d) C-2, B-1, A-3
-

Q4. Risk Management is

- a) Here each identified risk is analyzed and prioritized
- b) It begins after all hazards are identified. For each hazard, the outcome of the risk assessment process is a statement of acceptability.
- c) The anticipate risks which night affect the project schedule or the quality of the software being developed and to take action to avoid these risks.
- d) None of these

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Q5. Embedded systems are

- a) These system runs on a single processor or an integrated group of processors
- b) A system where each sub-system can respond to generated events where the events might be generated from other sub-systems or from the environment of the system.
- c) A system continues in operation after some system faults have manifested themselves.
- d) A system whose operation is incorrect, if results are not produced according to the timing specifications

Q6. Match the following : A- Maintenance control: B- Maintenance prediction: C- Maintenance process: 1-Cost of planning and scheduling hardware preventive maintenance, and software maintenance and upgrades, managing the hardware and software baselines, and providing response for hardware corrective maintenance. 2- Predicting the number of change requires a system understanding and the relationship between the system and external environment. 3- It is triggered by a set of change requests from system users, management or customers.

- a) A-1, B-3,C-2
- b) A-1,B-2,C-3
- c) A-2,B-3,C-1
- d) A-3,B-2,C-1

Q7. Which of the following is correct system design process ?

- a) Identify system requirement – define system – develop system
 - b) Define system – develop system – identify system
 - c) Identify system – develop system – operate system
 - d) None of these
-

Q8. Software testing is

- a) Associated with functionality of software and constraints of operations defined.
 - b) It consists of computer programs, configuration files that are used to set up these programs system documentation for describing to structure of the system and used documentation that describes use of the system.
 - c) It involves executing an implementation of the software with test data and examines the outputs of the software and its operational behavior to check that it is performing as required
 - d) None of these
-

Q9. Evolutionary Development

- a) It describes the basic entities in the design and relation between them.
 - b) Observational techniques used to understand social and organizational requirements.
 - c) It is based on the idea of developing an initial implementation, exposing it uses on requirement and refining it through many versions until an adequate system has been developed
 - d) Based on an idea of developing an initial implementation, exposing this to uses comment and retiring it until and adequate system has been developed.
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Q10. Human error is

- a) It is concerned with the design, evaluation, and implementation of interactive computing systems for human use and with the study of major phenomena surrounding them.
- b) Extent to which a software product fulfills its purpose without wasting user's time/energy/degrading their morale.

- c) Human behavior that results in the introduction of faults into a system.
 - d) None of these
-

Q11. Lehman's Fifth Law (Lehman and Belady 1985) is

- a) Organizational stability: Over a program's lifetime, its rate of development is approximately constant and independent of the resources devoted to system development.
 - b) Conservation of familiarity: Over the lifetime of a system, the incremental change in each release is approximately constant.
 - c) Large program evolution: Program evolution is a self-regulating process.
 - d) None of these
-

Q12. A sequential control model where control starts at the top of a subroutine hierarchy and through sub-routine calls, passes to lower levels is referred as

- a) Manager control model
- b) Call-return control model
- c) Object oriented model
- d) None of these

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Q13. Spiral model is

- a) Iterative model
 - b) Non-iterative model
 - c) Random model
 - d) None of these
-

Q14. Subject to probability of hazard, arising will not raise cost factors is referred as

- a) Abstractness
- b) Acceptable risk
- c) Acceptance testing
- d) None of these

Q15. Fault tolerance system are

- a) These system runs on a single processor or an integrated group of processors
- b) A system where each sub-system can respond to generated events where the events might be generated from other sub-systems or from the environment of the system.
- c) A system continues in operation after some system faults have manifested themselves.
- d) A system whose operation is incorrect, if results are not produced according to the timing specifications

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Answers to the above questions :

Q1. Answer: (d)

Q2. Answer: (b)

Q3. Answer: (c)

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Q4. Answer: (c)

Q5. Answer: (a)

Q6. Answer: (b)

Q7. Answer: (c)

Q8. Answer: (c)

Q9. Answer: (b)

Q10. Answer: (c)

Q11. Answer: (b)

Q12. Answer: (b)

Q13. Answer: (a)

Q14. Answer: (b)

Q15. Answer: (c)

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