2807M091   Candidate's Seat No :_____

B.Sc. Sem.-6 Examination
CC - 307
Computer Science
July 2021

Time : 2-00 Hours]   [Max. Marks : 50

Instructions: All Questions in SECTION 1 carry equal marks.
Attempt any THREE questions in SECTION 1
Question 9 in SECTION II is COMPULSORY

SECTION I

Q-1   **Write the following.**
(A)   What are the programming practices? Explain in detail   (07)

(B)   Explain code inspection & reviews in detail.   (07)

Q-2   **Write the following.**
(A)   What is coding? Explain coding guidelines.   (07)

(B)   Explain unit testing in detail. Also explain code reading and static analysis   (07)

Q-3   **Write the following.**
(A)   What is Test case? Explain in detail with example.   (07)

(B)   Define Error, fault, failure & defect and also explain with example   (07)

Q-4   **Write the following.**
(A)   What are the testing principals & guidelines? Explain in detail.   (07)

(B)   What are the white box testing techniques? Explain any two in detail.   (07)

Q-5   **Write the following.**
(A)   Explain project management activities in detail.   (07)

(B)   What is estimation? Explain estimation model in detail.   (07)

Q-6   **Write the following.**
(A)   What is project Team? Explain various roles of project team member.   (07)

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(B) Explain COCOMO model in detail. **(07)**

Q-7 **Write the following.** **(07)**
(A) Explain Risk management strategies in detail.

(B) Explain Risk identification & assessment in detail. **(07)**

Q-8 **Write the following.**
(A) Explain Risk mitigation, monitoring & control in detail. **(07)**

(B) What is risk management?Why it is required for project explain with example. **(07)**

SECTION II

Q-9 **MCQ** (any eight) **(08)**
(1) Coding and testing are done in a:
A)Ad hoc manner   B)Module manner
C)Structure chart manner   D)Program flowchart manner

(2) The type of software testing in which each module is tested along in an attempt to discover any errors in its code,is known as
A)Integration testing   B)Acceptance testing
C)Mutation testing   D)Unit testing

(3) This activity for a module is undertaken after module successfully compiles
A)Code Review   B)Unit Testing   C)Integration
Testing   D)All of the above

(4) Coding is undertaken
A)After design phase is complete   B)Design Document is Reviewed
C)While design document is in review   D)a & b only

(5) Which of the following is not part of the test document?
A)Test Case   B)Requirements Traceability Matrix
C)Test Strategy   D)Project Initiation Note

(6) Which term is used to define testing?
A)Evaluating deliverable to find errors   B)Finding broken Code   C)A
stage of all projects   D)None of the above

(7) Which of the following testing is also known as white-box testing?
A)Structural Testing   B)Error guessing technique
C)Design based testing   D)None of the above

(8) Which of the following testing is related to the boundary value analysis?
A)White box and black box testing   B)White box testing   C)Black box testing
D)None of the above

(9) Which of the following is not project management goal?
A) Keeping overall costs within budget
B) Delivering the software to the customer at the agreed time
C) Maintaining a happy and well-functioning development team
D) Avoiding customer complaints

(10) Which of the following is/are main parameters that you should use when computing the costs of a software development project?
A) travel and training costs
B) hardware and software costs
C) effort costs (the costs of paying software engineers and managers)
D) all of the mentioned

(11) The COCOMO model takes into account different approaches to software development, reuse, etc.
A) True   B) False

(12) A COCOMO model is _____ .
A)Common Cost Estimation Model.
B)Constructive Cost Estimation Model.
C)Complete Cost Estimation Model.
D)Comprehensive Cost Estimation Model

(13) Risk management is one of the most important jobs for a
A) Client   B) Investor   C) Production team   D) Project manager

(14) What assess the risk and your plans for risk mitigation and revise these when you learn more about the risk?
A) Risk monitoring   B) Risk planning
C) Risk analysis   D) Risk identification

(15) Which of the following strategies means that the impact of the risk will be reduced?
A) Avoidance strategies   B) Minimization strategies
C) Contingency plans   D) All of the mentioned

(16) Risk management is now recognized as one of the most important project management tasks.
A) True   B) False