

(6 pages)

Reg. No. :

Code No. : 30537 E Sub. Code : SECA 6 B

B.C.A (CBCS) DEGREE EXAMINATION, APRIL 2022.

Sixth Semester

COMPUTER APPLICATION

Major Elective – SOFTWARE PROJECT
MANAGEMENT

(For those who joined in July 2017 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. A step in waterfall model that involves a meeting with the customer to understand the requirements.
(a) Requirement Gathering
(b) SRS
(c) Implementation
(d) Customer review

2. The process each manager follows during the life of a project is known as
(a) Project Management
(b) Manager life cycle
(c) Project Management Life Cycle
(d) System Life Cycle
3. In the classical chief programmer team approach, the team member responsible for maintaining the detailed design and coding is
(a) The chief programmer
(b) The programming secretary
(c) A specialized function that exists outside 'the team'
(d) The individual coder (i.e. programmer)
4. Which one of the following is not a fundamental activity for software processes in software engineering?
(a) Software Verification
(b) Software Validation
(c) Software design and implementation
(d) Software evolution

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5. A simple way of looking at the spiral software life-cycle model is as a waterfall model with each phase proceeded by
- (a) Build-and-fix (b) Synchronization
(c) Testing (d) Risk analysis.
6. A _____ is developed using historical cost information that relates some software metric to the project cost.
- (a) Algorithmic cost modeling
(b) Expert judgement
(c) Estimation by analogy
(d) Parkinson's Law
7. There are _____ types of Work Breakdown Structures.
- (a) One (b) Two
(c) Three (d) Four
8. Which of the following is not considered as a risk in project management?
- (a) Specification delays
(b) Product competition
(c) Testing
(d) Staff turnover

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9. Quality planning is the process of developing a quality plan for
- (a) Team (b) Project
(c) Customers (d) Project Manager
10. The software life cycle can be said to consist of a series of phases. The classical model is referred to as the waterfall model. Which phase may be defined as "The concept is explored and refined, and the client's requirements are elicited?"
- (a) Requirements (b) Specification
(c) Implementation (d) Integration

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Write a note on reducing software product size.

Or

- (b) Analyze improving automation through software environments.

12. (a) Explain the different phases of the life cycle phases.

Or

- (b) Discuss about Pragmatic artifacts.

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[P.T.O.]



13. (a) Summarize the planning guidelines.

Or

- (b) Give an overview about the cost and schedule estimation process.

14. (a) Explain Management Indicators with suitable example?

Or

- (b) Analyze the project environment.

15. (a) Explain about the evolutionary requirements.

Or

- (b) Apply the metrics for managing a modern process.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Explain in detail about conventional software management.

Or

- (b) Illustrate software economics.

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17. (a) Explain the goal of Construction Phase.

Or

- (b) Give an overview about the artifact sets.

18. (a) Discuss about conventional work breakdown structure.

Or

- (b) Briefly explain about Iteration planning process.

19. (a) Describe about Quality Indicators?

Or

- (b) Explain about software metrics.

20. (a) Briefly explain about the modern process transitions.

Or

- (b) Explain about software management principles.

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