(6 pages)

Reg. No. : ....

Code No. : 10260 E Sub. Code: SECA 6 B/ AECA 62

B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2023.

Sixth Semester

Computer Applications – Major Elective

SOFTWARE PROJECT MANAGEMENT

(For those who joined in July 2017 – 2020)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. UML stands for ——————
   (a) Universal Modeling Language
   (b) Universal Maintain Language
   (c) Unified Modeling Language
   (d) Unified Maintain Language

2. An organizations policies, procedures and practices for pursuing a software-intensive line of business is a —————— process perspective
   (a) Micro
   (b) Macro
   (c) Meta
   (d) Mini

3. A —————— is a subset of a model that abstracts a specific relevant perspective
   (a) Pattern
   (b) Template
   (c) View
   (d) None

4. —————— provide a periodic snapshot of project health and status.
   (a) Project Review
   (b) Walkthru
   (c) Audits
   (d) Status

5. Which milestone occurs at the end of inception phase?
   (a) Life-cycle Architecture Milestone
   (b) Life-cycle Objective Milestone
   (c) Initial Milestone
   (d) Product Release Milestone

6. —————— is responsible for automating the organization process
   (a) PRA
   (b) SEPA
   (c) SEEA
   (d) None

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7. Relationship between opened versus closed SCOs is —————————.

   (a) stability   (b) volatility

   (c) mobility   (d) motility

8. Critical failures are categorized under type ——— change

   (a) 0   (b) 1

   (c) 2   (d) 3

9. For every \$1 you spend on development. You will spend ——————— on maintenance.

   (a) \$10   (b) \$5

   (c) \$4   (d) \$2

10. Only 15% of software development effort in devoted to ———————

    (a) analysis   (b) design

    (c) testing   (d) programming

PART B — (5 × 5 = 25 marks)

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

11. (a) Write short notes on software processes.

    Or

    (b) Explain Boehm's staffing principles in detail.

12. (a) Describe transition phase in detail.

    Or

    (b) Explain the management perspective of software architecture.

13. (a) Discuss about the activities of a software assessment team.

    Or

    (b) Explain workflow in detail.

14. (a) Explain the basic characteristics of a good metric.

    Or

    (b) Discuss about the three states of project environment.

15. (a) Write down the approaches used for resolving the issues of conventional projects.

    Or

    (b) List out the quotes of modern software economics.

PART C — (5 × 8 = 40 marks)

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

16. (a) Explain the performance of conventional software management according to Berry Boehm.

Or

(b) Discuss the ways of improving team effectiveness.

17. (a) Write short notes on engineering artifacts.

Or

(b) Explain the stages of a life cycle.

18. (a) Describe work breakdown structures in detail.

Or

(b) Explain the roles and responsibilities of a line-of-business organization.

19. (a) Discuss the tools available to automate the software development process.

Or

(b) Explain software change management in detail.

20. (a) Explain any eight culture shifts that must be overcomed to a software management process.

Or

(b) Describe software management principles in detail.

———————