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Total No. of Pages :02

Total No. of Questions : 09

MCA (Sem.-3)
SOFTWARE PROJECT MANAGEMENT

Subject Code :PGCA1930

M.Code : 90801

Date of Examination :09-12-2025

Time : 3 Hrs.

Max. Marks :70

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C have FOUR questions each.
3. Attempt any FIVE questions from SECTION B& C carrying TEN marks each.
4. Select atleast TWO questions from SECTION - B & C.

SECTION-A

1. Write short notes on :

- a) Name major stakeholders in a software Project.
- b) What do you mean by planning of a software project?
- c) What is the significance of the Oldham-Hackman Job Characteristics Model?
- d) Differentiate between PERT and CPM.
- e) Define Configuration management.
- f) Enlist the various sections in the contract management.
- g) What are the two primary steps of cost-benefit analysis?
- h) What is Net Profit?
- i) What are Development Costs?
- j) What do you understand by quality management?

SECTION - B

2. What are the characteristics which makes software project different from other project?
3. Differentiate between contract management & technical management. What are the advantages of contract management? Explain.
4. Give an outline of step wise planning activities for a project with neat diagram.
5. Use the COCOMOII model to estimate the effort required to build software for a simple ATM that produces 12 screens, 10 reports and will require approximately 80 software components. Assume average complexity and average developer/environment maturity. Use the application composition model with object points.

SECTION - C

6. Explain the concept of change control management in detail.
7. What is the purpose of controls? Explain verifying and controlling scope in detail.
8. Explain how new staff can be selected and inducted into a project?
9. What are organization and team structures? What are the types of team structures? What are their advantages and disadvantages?

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.