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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 : 30-12-2023

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) Discuss the use of COCOMO model.
- b) Define Software Estimation.
- c) Define Risk Management.
- d) What is role of feasibility study in software engineering?
- e) What is Software Configuration Management (SCM)?
- f) What are the merits and demerits of PERT?
- g) What is Organizational Behaviour?
- h) What is Project Termination Review?
- i) What is Staffing Pattern?
- j) Define Monte Carlo Stimulation.

SECTION-B

2. Explain the following terms : Risk assessment, Hazard identification and Risk analysis. Also suggest one method for prioritizing different risks that may affect the software development process.
3. The following details are available regarding a project :

Activity	Predecessor Activity	Duration (weeks)
A	-	3
B	A	5
C	A	7
D	B	10
E	C	5
F	D,E	4

Determine the critical path, the critical activities and the project completion time by using critical path methods.

4. Elaborate all seven stages followed in procurement management to reduce the cost and to improvise the relationship with suppliers.
5. What is the Work Breakdown Structure? Explain its types.

SECTION-C

6. How an efficient leader can strongly improves the software development process? Explain any two modern approaches to leadership with their respective characteristics and application domain.
7.
 - a) What do you understand by EVA? Explain in detail.
 - b) Explain Quality assurance and Quality control.
8. What are Managing Contracts? What are the different types of Contracts and different stages in Contract Placement? Also define typical terms of Contract.
9.
 - a) What is process of selecting the right person for the job? How to motivate the workers in an organization?
 - b) What is the Oldman-Hackman Job Characteristics Model?

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.