Tribhuvan University

Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2025

Bachelor in Computer Applications
Course Title: Software Project Management
Code No: CACS 407
Semester: VII

Full Marks: 60
Pass Marks: 24
Time: 3 hours

Candidates are required to answer the questions in their own words as far as possible.

Group B

Attempt any SIX questions.   [6×5 = 30]

2. Discuss the process of software project management and its key phases.

3. Explain Precedence diagramming method for representing activities and their dependencies.

4. Describe the steps involved in the Critical Path Method (CPM) for project scheduling.

5. Compare the bottom-up and top-down estimation approaches in software effort estimation.

6. What are the key components of a cost-benefit analysis in software evaluation?

7. Explain the different categories of risks in software project management.

8. What are the elements of Software Configuration Management (SCM)?

Group C

Attempt any TWO questions.   [2×10 = 20]

9. Explain in detail the process of Software Project Management (SPM) and how it differs from other project management methodologies.   [10]

10. Describe the importance of strategic assessment in project evaluation. How does it help in aligning a software project with an organization's strategic goals? Discuss the key factors to consider during strategic assessment.   [3+3+4]

11. Describe the various quality management practices in software projects. How can quality assurance and quality control be implemented effectively?   [5+5]

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