

Tribhuvan University
Institute of Science and Technology
2082
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Bachelor Level / Fourth Year/ Seventh Semester/ Science
Computer Science and Information Technology (CSC415)
(Software Project Management)
(NEW COURSE)

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

Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.

Section A

Attempt any TWO questions.

[2×10=20]

1. Explain different categories of software projects. Why do you think categorization of software projects is necessary? [8+2]
2. Explain three visualization techniques that can be implemented to monitor and control the project. [10]
3. Define Break Even Point and Internal Rate of Return. Calculate payback period and ROI for the following project. [3+7]

Year	Project
0	-50000
1	20000
2	5000
3	10000
4	25000
5	30000

Section B

Attempt any EIGHT questions.

[8×5=40]

4. Explain different categories of resources. [5]
5. What are the significance of using PERT chart? Explain with respect to Z-values. [5]
6. Explain different levels of testing. [5]
7. What are the purposes of carrying out software configuration management? Explain. [5]
8. Explain any one method of motivation model that motivates people to work. [5]
9. Define risk. How risk can be handled? Explain. [1 + 4]
10. Explain the importance of performing strategic assessment and technical assessment. [5]
11. Why software quality assurance is carried out? Explain QA organization structure. [2+3]
12. Write short notes on [2.5+2.5]
 - a) Critical path
 - b) Capability maturity model