

Tribhuvan University
Institute of Science and Technology
2080
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Bachelor Level / Third Year /Six Semester/Science
Computer Science and Information Technology (CSC. 351)
(Software Engineering) ,
(OLD 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 questions are of equal value.

Attempt any Ten questions.

(10×6=60)

1. Explain the process of risk management. [6]
2. What do you understand by system modeling? Explain with an example. [6]
3. Explain component-based software engineering. [6]
4. List different feasibility studies and explain any two. [6]
5. Explain the concept of formal specification in the software process. List its advantages. [6]
6. How do you think prototyping can play a crucial role in software development?
What are its demerits? [4+2]
7. Describe object-oriented software engineering. What are the features of object-oriented design? [2+4]
8. Explain different types of repository model. [6]
9. Explain the process of software inspection. [6]
10. Explain unit testing, integration testing and system testing. [6]
11. Briefly explain LOC method of estimation. What are its disadvantages? [4+2]
12. Write short notes [2×3=6]
 - a) Safety assurance
 - b) Reverse engineering.