Tribhuvan University
Institute of Science and Technology
2080
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Bachelor Level / Third Year /Six Semester/Science   Full Marks: 60
Computer Science and Information Technology (CSC. 351)   Pass Marks: 24
(Software Engineering)   Time: 3 hours.
(OLD COURSE)

Candidates are required to give their answers in their own words as for as practicable.
The questions are of equal value.

Attempt any Ten questions.   (10×6=60)

1. Differentiate between software engineering and system engineering. Explain system modeling with an example.   (2+4)

2. What are the activities carried out in project management?   (6)

3. How resource feasibility and schedule feasibility of a product can be determined?   (3+3)

4. Explain the process of software reverse engineering. Why is it carried out?   (4+2)

5. Explain the process of software inspection.   (6)

6. List different types of testing. Explain unit testing and integration testing.   (2+4)

7. What is behavior specification and why is it required?   (2+4)

8. How the cost of software is estimated using KLOC method?   (6)

9. Explain about Object Oriented Software engineering.   (6)

10. What is functional requirement? How usecase diagram can be used to illustrate functional requirements?   (2+4)

11. Explain software configuration management.   (6)

12. Write short notes: (2×3=6)
    a. Risk
    b. Software evolution