Roll No. | | | | | | | | |

B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APR / MAY 2014

COMPUTER SCIENCE AND ENGINEERING

Semester VI

CS9025 Software Requirements Management

(Regulation 2008)

Time : 3 Hours | Answer ALL Questions | Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. List root causes of project success and failure.
2. Define a software requirement.
3. Discuss the role of business modeling.
4. Briefly describe the challenge and barriers to requirements elicitation.
5. How does one organize requirements for product families.
6. List different issues of managing your customer.
7. Explain how a Use Case can be included in other Use Cases.
8. Draw an example State Transition Diagram.
9. List the different steps in a process for managing change.
10. Briefly describe an agile requirements method.

Part – B (5 x 16 = 80 marks)

11. For a simple cricket score keeping software
    (i) Identify stake holders and users. (2)
    (ii) Define the solution system boundary. (2)
    (iii) Identify the Use Cases. (6)
    (iv) Write a brief description for any three. (6)

12. a) (i) Discuss issues regarding requirements and the software lifecycle. (6)
    (ii) Discuss in detail different aspects of requirements workshops. (10)

    OR

    b) (i) Discuss issues regarding requirements and the software team. (6)
    (ii) Discuss in detail different aspects of interviewing. (10)

13. a) (i) Explain the details of a standard template for a vision document. (8)
    (ii) Write one for a software product for any social networking application. (8)

    OR

    b) (i) Explain the different steps in establishing project scope and to derive the final prioritized features list. (8)
    (ii) Do this for a software product for word processing. (8)

14. a) (i) Describe different aspects of Extending Use Cases (8)
(ii) Explain non-functional requirements in the Supplementary Specification. (8)

OR

b) (i) Describe different aspects of Requirements versus Design. (8)
(ii) Explain design constraints in the Supplementary Specification. (8)

15. a) Discuss in detail how the Design Model is realized from Use Cases. (16)

OR

b) Discuss in detail how test cases are developed from Use Cases. (16)