

**B.E./B.Tech. (Full time) Degree Examinations, Nov.2011**

Branch : B.Tech. (Information Technology)

Semester : IV

Regulations : 2004

**IT284 – Software Requirements Management**

Time : 3 hours

Max. Marks : 100

**Answer All questions**

**Part – A (10 x 2 = 20 Marks)**

1. Define 'Requirements Engineering'.
2. What is software development process? Compare it with product.
3. Define 'Requirements elicitation'.
4. What is meant by validation?
5. Distinguish between functional and non-functional requirements.
6. What is human requirements base line?
7. List the requirements attributes.
8. What is throwaway prototyping?
9. Define validation.
10. Write the advantages of Case Tools?

**Part – B (5 x 16 = 80 Marks)**

11. (i) List the software development roles and explain their functions. (8)  
(ii) Write the activities of stakeholders and explain them. (8)
12. (a) (i) Explain the requirements elicitation process in detail. (8)  
(ii) List the information gathering techniques and explain them. (8)  
(OR)  
(b) Explain the requirements gathering, evaluation, rationalisation and prioritization techniques. (16)
13. (a) (i) Explain the identification of performance and safety requirements. (8)  
(ii) Explain the techniques used for requirements analysis. (8)  
(OR)  
(b) (i) Identify the functional and non-functional requirements for implementing a banking system. (8)  
(ii) Explain the feasibility and internal compatibility of system requirements. (8)
14. (a) (i) Explain the techniques and formats used for requirements documentation. (8)  
(ii) Explain the requirements development workflow. (8)  
(OR)  
(b) (i) How will you develop a use case specification document? (8)  
(ii) Explain the methods used for software prototyping. (8)
15. (a) (i) Explain the analysis of requirements validation. (8)  
(ii) List the objectives of validation and explain them. (8)  
(OR)  
(b) (i) Explain the requirements reviews. (8)  
(ii) How will you test the requirements? Explain with examples. (8)