

Code No: R5220501

II B.Tech II Semester(R05) Supplementary Examinations, January 2010
SOFTWARE ENGINEERING

(Common to Computer Science & Engineering, Information Technology and Computer
Science & Systems Engineering)

Time: 3 hours Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

KOTTAM
INSTITUTIONS

1. (a) Discuss various software practitioner's myths and realities.
(b) Explain how software is described. [10+6]
2. List different types of requirements. Also explain the purpose of them. [8+8]
3. (a) Define brain storming. Explain where it is used with an example.
(b) What are view point and service template forms? Explain why they are used? [6+10]
4. (a) Define refactoring. Explain it's intent. Also explain the advantages and disadvantages of it.
(b) Define design class. Describe their purpose. Explain different types of it. [2+2+4+2+2+4]
5. What are the different static and dynamic models that UML provides to document the design? Discuss them clearly with suitable examples.[16]
6. (a) What is meant by Basis path testing? Discuss the steps which can be applied to derive the basis set.[8]
(b) What is a graph matrix? How do we extend graph matrix for use in testing? [8]
7. (a) Distinguish between metrics and measurements. [6]
(b) What is meant by software process and project metrics? [10]
8. (a) Discuss the role of an SQA group. [10]
(b) Distinguish among bug, error, and defect. [6]