

Code: IT5T4

**III B.Tech - I Semester – Regular Examinations - November 2014**

**SOFTWARE ENGINEERING  
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. a) Describe the nature of process. 7 M  
b) What is Software Engineering? Explain Software Engineering knowledge. 7 M
2. a) Describe personal and team process models. 7 M  
b) What is agility? Explain extreme programming values. 7 M
3. Discuss in detail about class based modeling. 14 M
4. a) Explain about the design model. 7 M  
b) What are architectural styles? Explain. 7 M
5. a) Discuss about interface analysis. 7 M  
b) Explain about user interface design patterns. 7 M

6. a) Discuss in detail about integration testing. 7 M
- b) What is testing? Explain black-box testing. 7 M
7. a) Explain about the metrics for requirements model. 7 M
- b) Define metric. Explain metrics for software quality. 7 M
8. Explain the following:
- a) Software risks 5 M
  - b) Software quality 4 M
  - c) SQA plan 5 M