

Code: IT5T4

III B.Tech - I Semester – Regular Examinations - November 2015

**SOFTWARE ENGINEERING
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

- 1 a) Define Software Engineering. State its applications. 7 M
b) Explain different Software Myths. 7 M
- 2 Incremental model is more effective than Waterfall model.
Justify with an example 14 M
- 3 Explain in detail about requirements engineering. 14 M
- 4 a) Write in detail about design concepts. 7 M
b) Explain various architectural styles. 7 M
- 5 a) What is a Component? Explain about designing
Class- Based Components. 8 M
b) Define cohesion and coupling. State the importance of
cohesion and coupling. 6 M

- 6 a) What is White box testing? Explain various types of White box testing. 10 M
- b) Define System Testing and state its importance. 4 M
- 7 a) Explain in detail about metrics for the requirements model. 7 M
- b) Explain in detail with an example about Size oriented metrics. 7 M
- 8 a) Define software quality. Explain McCall's Quality factors. 8 M
- b) Explain in detail about RMMM Plan. 6 M