

Code: IT7T2

**IV B.Tech - I Semester – Regular Examinations – November 2015**

**PERFORMANCE ENGINEERING  
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) Explain Zuse Machine and Intel Machine. 7 M  
b) What is Hyper threading? State the challenges for system monitoring tools. 7 M
2. Explain in detail: how chipset is used as a communication between processor and its peripheral. 14 M
3. a) What are API's? Explain the different classes of Windows API's. 7 M  
b) Illustrate three types of Systems software. 7 M
4. a) What is Enterprise computing? Discuss the architecture of Enterprise software. 7 M  
b) Explain about Monolithic architecture for Mainframe systems. 7 M

5. a) Write about Performance Benchmark Testing. 7 M
- b) Explain the scalability of an OLTP application. 7 M
6. What is Software Development Process? Explain in detail about Agile Software Development. 14 M
7. What are Batch jobs? Explain the performance metrics for System performance in Batch jobs. 14 M
8. a) What is Systems Performance? Write the four test configurations in Operating Systems. 7 M
- b) Discuss the performance and scalability of a hardware. 7 M