

R09

Code: 9A15701

B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013

PERFORMANCE EVALUATION OF COMPUTER SYSTEMS

(Computer Science & Systems Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

1. (a) Explain probability axioms in detail.
(b) Explain the probability generating function.
2. (a) What is the concept of exception based on multiple random variables?
(b) Explain Bernoulli processes.
3. Define state classification and limiting probabilities.
4. Discuss about SIMD array processors.
5. Explain performance enhancement methods.
6. (a) Difference between loosely coupled multiprocessors and tightly coupled multiprocessors.
(b) Explain multi-cache problems and solutions.
7. Explain about multiprocessor scheduling strategies and explain any two strategies.
8. (a) Write short note on S-1 multiprocessor.
(b) Explain performance of Cray X-Map.
