Code: 9A15701

R09

B.Tech IV Year I Semester (R09) Supplementary Examinations June 2017
PERFORMANCE EVALUATION OF COMPUTER SYSTEMS
(Computer Science & Systems Engineering)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

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1   (a)   Discuss about graphical representation of events with examples.
    (b)   What are the Probability Axioms?
    (c)   With examples explain about discrete random vectors.

2   (a)   Discuss about inequalities and limit theorems.
    (b)   Give the classification of stochastic processes.

3   (a)   Discuss about irreducible finite chains with aperiodic states.
    (b)   With an example, discuss about birth – death processes.

4   (a)   With a neat block diagram, explain about AIMD interconnection networks.
    (b)   Describe associative array processing.

5   (a)   With a neat diagram, discuss about parallel memory allocation.
    (b)   Discuss about array processing languages.
    (c)   Give applications of ILLAIC IV and its architectural features.

6   (a)   Discuss about parallel memory organization of multiprocessor.
    (b)   Discuss about multiprocessor operating systems.

7   (a)   Discuss about scheduling strategies of multiprocessors.
    (b)   Discuss about parallel algorithms for multiprocessors.

8   Write short notes on the following:
    (a)   The C.mmp multiprocessor system.
    (b)   Mainframe multiprocessor system.

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