SUBJECT CODE NO: E-8041
FACULTY OF ENGINEERING AND TECHNOLOGY
M.E. (CSE/SE) Examination Nov/Dec 2017
Performance Analysis & Simulation
(Revised)

[Time: Three Hours]
[Max.Marks:80]

Please check whether you have got the right question paper.

N.B
1. <u>Solve any two</u> questions from each section.
2. Assume suitable data wherever necessary and state it clearly.

Section- A

Q.1	a)	Explain performance metrics? Explain different commonly used performance metrics.	10
	b)	What are the different common mistakes in performance evaluation?	10
Q.2	a)	What are different workload characterization techniques? Explain how clustering is used for workload characterization.	10
	b)	Discuss the workload selected for performance evaluation of operating system.	10
Q.3	a)	Explain simulation and modeling of LAN.	10
	b)	Explain in detail the oracle database architecture with neat diagram.	10

Section- B

Q.4	a)	Explain evaluation and selection technique for simulation software.	10
	b)	Explain steps in a simulation study.	10
Q.5	a)	What do you mean by model of a system? What are the characteristics of good model?	10
	b)	Explain the process of validation and calibration of models.	10
Q.6	a)	Explain the various techniques for generating random numbers.	10
	b)	Explain hypothesis testing and tests for uniformity.	10

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