

ELIZADE UNIVERSITY ILARA-MOKIN

FACULTY: BASIC AND APPLIED SCIENCES

DEPARTMENT: MATHEMATICS AND COMPUTER SCIENCE

1st SEMESTER EXAMINATION

2017 / 2018 ACADEMIC SESSION

COURSE CODE: CSC 431

COURSE TITLE: Computer System Performance Evaluation

COURSE LEADER: Dr. Bukola Onyekwelu

DURATION: 2 Hours

HOD's SIGNATURE

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INSTRUCTION:

Candidates should answer any FOUR Questions.

Students are warned that possession of any unauthorized materials in an examination is a serious assessment offence

Students are permitted to use ONLY a scientific calculator.

Ta. Performance Evaluation has seven(7) goals. Describe five (5) of them.		
b. Discuss the two(2) techniques of Performance Evaluation		
2a. Define the following Perfo	rmance measures	
(i.) Missionability	(iii.) Responsiveness	(v.) Productivity
(ii.) Usage level	(iv.) Dependability	
b. Some concepts must first be taken into consideration, before performance measurements can be carried out, what are these concepts?		
3a. Performance measurement serves two purposes, name them.		
b. Explain the three (3) class		DEPARTO
4a. Discuss the following:		
(i.) Hardware monitors b. What are the basic building	(ii.) Software monitors blocks of a hardware monitor?	(iii.) Hybrid monitors (100)
5a. Describe the three types of	entities involved in the simulation	on of any system
b. Give reasons why Simulation analysis is a tool to evaluate the performance of any system		
c. Draw the diagram showing	the Simulation Steps	ne performance of any system
6a. What is the workload of a	system?	
b. Draw and explain the State transition diagram for the Markov model of the multiprocessor system		
c. Benchmarks are classified into five (5) categories. List them.		
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