



ELIZADE UNIVERSITY

ILARA-MOKIN

FACULTY: BASIC AND APPLIED SCIENCES
DEPARTMENT: MATHEMATICS AND COMPUTER SCIENCE
1st SEMESTER EXAMINATION
2016 / 2017 ACADEMIC SESSION

COURSE CODE: CSC 321

COURSE TITLE: Web Application Programming

COURSE LEADER: Mr. K. Aregbesola

DURATION: 2 Hours

HOD's SIGNATURE

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INSTRUCTION:

Candidates should answer FOUR Questions in all.
For each Question 25 marks are available.

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.

1. a. The internet and the world wide web have revolutionised commerce and the business world. Discuss the concept of disruptive technologies with respect to the web and web programming. [9 marks]
 - b. Explain the contributions of any 6 inventions and technologies that have made web applications a reality. [9 marks]
 - c. i. Explain the concepts of client-side and server-side scripting. [3 marks]
 - ii. Give two examples each of scripting languages under client-side and server-side scripting. [4 marks]
2. a. Discuss and differentiate between static, dynamic and responsive web applications. [13 marks]
 - b. Discuss the following terms briefly:
 - i. MIME [4 marks]
 - ii. CSS [4 marks]
 - iii. Cookies [4 marks]
3. Design, develop and display a web page for collecting the details, such as Names and Matric Numbers, of students in CSC 321 in Elizade University. [25 marks]
4. a. Explain three tiers of web application development with examples of languages within each. [12 marks]
 - b. Differentiate between the Get and Post methods [5 marks]
 - c. Explain the concept of database and its connectivity with web applications as well as any relevant protocols. [8 marks]
5. a. i. What is JavaScript? [5 marks]
 - ii. Illustrate by simple HTML tags respectively how you would
 - i. Embed JavaScript within HTML and [5 marks]
 - ii. How JavaScript can be referenced from a separate file. [5 marks]
 - b. i. List any two kinds of activities each that can be accomplished using client-side and server-side scripting respectively. [5 marks]
 - ii. What are the pros and cons of client-side and server-side scripting individually. [5 marks]



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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.

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1a. Performance Evaluation has seven(7) goals. Describe five (5) of them.

b. Discuss the two(2) techniques of Performance Evaluation

2a. Define the following Performance 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) classes of Performance metrics

4a. Discuss the following:

(i.) Hardware monitors

(ii.) Software monitors

(iii.) Hybrid monitors

b. What are the basic building blocks of a hardware monitor?

5a. Describe the three types of entities involved in the simulation 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

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.