**AFRICA UNIVERSITY**
*A United Methodist-Related Institution*

**COLLEGE OF BUSINESS, PEACE, LEADERSHIP AND GOVERNANCE**

**CIS206: INTERNET APPLICATION DEVELOPMENT**

**END OF SEMESTER EXAMINATIONS**

**NOVEMBER 2019**

**LECTURER: KANDIERO, A**

**DURATION: (3HRS)**

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## INSTRUCTIONS

1. Choose **All** questions from **Section A** and **TWO** questions in **Section B**.
2. Use only the Examination Answer Book provided. Obtain a Continuation Answer Book if necessary.
3. Write legibly and concisely
4. You are expected to give a critical analysis of each question.
5. Provide the following information on the <u>cover page</u> of the Examination Answer Book.
   5.1 Write your <u>University I.D. number</u> clearly in the space provided. <u>Do not write your name on the Answer Book.</u>
   5.2 Write the Course Code & Course Title indicated above in the space provided.
   5.3 For Faculty write 'CBPLG'
   6.4 For Academic Year write 2018/2019

## Section A: Answer ALL Questions

1. Define and illustrate the following concepts using examples of code extracts **[40 Marks]**
    a. HTML Server Controls
    b. Web Server Controls
    c. Web Form Validator
    d. Displaying Data with Server Controls

## Section B: Choose any TWO questions

Question 1: ASP.NET Core

    a. Outline describe the main advantages of ASP.NET? **[10 Marks]**
    b. What is ASP.NET Core **[10 Marks]**
    c. Outline and describe the advantages of ASP.NET Core **[10 Marks]**

Question 2: ASP.NET MVC

    a. Give an overview of ASP.NET MVC **[5 Marks]**
    b. Why did Microsoft decide to create their own MVC framework for building web applications? **[10 Marks]**
    c. Benefits of ASP.NETMVC **[15 Marks]**

Question 3: Object Oriented Programming

    a. Define the concept of OOP and differentiate it from procedural programming **[10 Marks]**
    b. Use code illustration to substantiate your ANSWER in a. above **[10 Marks]**
    c. Define and illustrate the concept of Object, Object Class, and Object Instance **[10 Marks]**

**All the Best!!**

**Boa Sorte!!**