



THE COUNCIL OF COMMUNITY COLLEGES OF JAMAICA

ASSOCIATE OF SCIENCE EXAMINATION

SEMESTER II – 2016 MAY

PROGRAMMES: MANAGEMENT INFORMATION SYSTEMS

COURSE NAME: WEB DEVELOPMENT II
CODE: (CWEB2302)

YEAR GROUP: TWO

DATE: THURSDAY, 2016 MAY 5

TIME: 9:00 A.M. – 12:00 NOON

DURATION: 3 HOURS

EXAMINATION TYPE: FINAL

This Examination paper has 3 pages

INSTRUCTIONS:

SECTION B: ANSWER ANY THREE (3) QUESTIONS FROM THIS SECTION.

SECTION B

*Instructions: Answer any **THREE (3)** questions from this section.*

Question 1

- A. Distinguish between the following terminologies:
 i. Web server and database server
 ii. Client and server
 iii. Client-side processing and server-side processing *(6 marks)*
- B. Name **TWO (2)** client side processing languages and **TWO (2)** server-side processing languages *(4 marks)*
- C. Differentiate between ASP and ASP.NET. Give **THREE (3)** differences. *(6 marks)*
- D. Briefly describe **THREE (3)** .NET framework essentials *(9 marks)*

(Total 25 marks)

Question 2

- A. Define the following term as it relates to database:
 i. Select
 ii. Update
 iii. Insert
 iv. Delete *(4 marks)*
- B. What is data binding? *(2 marks)*
- C. List **FOUR (4)** controls that support data binding *(4 marks)*
- D. Explain how firewall and data encryption provides security *(4 marks)*
- E. Define the term ADO.NET *(2 marks)*
- F. List **THREE (3)** ADO.NET data provider *(3 marks)*
- G. Explain the following objects as it relates to ADO.NET Objects
 i. Connection *(2 marks)*
 ii. Command *(2 marks)*
 iii. Datareader *(2 marks)*

(Total 25 marks)

Question 3

You are commissioned to create a banking program that calculates the amount of money a customer will save if they input their name, years (amount of time they take to save the money) and amount they want to save.

Conditions to tell how much a customer's will save

- The percentage of reward money they get depends on the amount of years they input. They get a 300% of the year as increase on money they intend to save. For example if they input 10 years on \$5000 they \$1500 in reward money (since then you have 30% increase, 300% of 10 years is 30%), so \$6500 in total
- If the customer money is under a \$5000. Then they get an increase of 300%
- If the customer money in between \$5000 and \$10,000. They an increase of 325%
- If the customer money is over \$10,000. They get an increase of 350%

Create a function called moneyIncrease that calculates the amount of money the person will save in total and return that amount

(Total 25 marks)

Question 4

- A. Explain the term 'namespace'. *(5 marks)*
- B. Draw a diagram showing the major components that make up the .NET framework. *(5 marks)*
- C. Explain how the CLR, MSIL & CTS relates to each other. *(15 marks)*

(Total 25 marks)

Question 5

- A. Write .aspx code to display webform containing a gridView. *(5 marks)*
- B. Write C# code to create a table called Musician, add columns (musicianId, mName, mLname), rows and data into it and display the table using a GridView object. *(20 marks)*

(Total 25 marks)

END OF EXAMINATION