Module Test (Practical): VB Scripts and C# 7.0
Max Marks: 70 Marks
Duration: 2.5 Hrs
Mode: Open Book

Assessment Parameters

➢ Solution Completeness (all requirements addressed) – 40 %

➢ Working solution for each requirement – 25 %

➢ Comments – 10%

➢ Coding standards – 25 %

➢ Code with compilation errors will not be considered for assessment.

Q. 1) Develop Book Management System for the library. Create the class library which will have class Books with the following details :

Book ID, Book Name, ISBN No, Price, Publisher, Number of Pages, Language, LoT, Summary

• Write method for accepting Book details.

• If user do not provide any value for Language and LoT. Then use the optional values for these as follows:

Language – "English", LoT – "Technical"

• Create a menu based console application to make the entry of books, display books, delete the book based on Book ID.

• Store the book details in collection. **[35 Marks]**

Validations	
1.	Book ID, Book Name cannot be blank
2.	Book ID should have 5 digits only
3.	LoT can have values from the below list only : ".NET", "Java", "IMS", "V&V", "BI", "RDBMS"
Exception Handling	
1.	Write a custom exception class to handle the above exceptions

Marks Distribution   **35 Marks**

Validations	8 Marks
Exception Handling	5 Marks
Book information storing in collection properly	8 Marks
Displaying Book information from collection	5 Marks
Deleting Book based on Book ID	4 Marks
Coding Standards, Naming Conventions and Commenting	5 Marks

Q 2. Consider the given below scenario and complete the following VbScript requirements.

Scenario : Book Management System.

1. Create an Dictionary Object to store the following information :
    a. Key : Book ID
    b. Value : "Book Name : Price : Publisher: LoT"
    c. Insert following data at design time :
        1001, "Let Us C : 500 : RR Publication : IMS"
        1002, "Java Fundamentals : 7500: PK Publication : Java"

2. Accept the following inputs from the user : Book ID, Book Name and Publisher.
3. The application should check if the entered Book ID already exists in the Data Dictioanry and if so, it should display a critical message as 'Book ID already exists"
4. Insert the *BookID* as *Key* & *concatenate the other remaining details with a ":" symbol and insert it* as *Value* into the existing Data Dictionary.
5. Display message "Book Information stored successfully".
6. Fetch and Display all the Book details from Data Dictionary in a message box

Marks Distribution: **35 Marks**

Criterion	Marks

1. Implementation of good programing practices
    a. Variable, Function & procedure naming convention
    b. Usage of comments
    c. Code Indentation
	5

2. Accepting user input using input box	5
3. Create Data Dictionary with some data in it.	7
4. Validate if BookID already exists	5
5. Insert the detaisl into Data Dictionary and display the successful message	7
6. Fetch and Display all the Employee details from Data Dictionary into message box	6