



# LOYOLA COLLEGE (AUTONOMOUS) CHENNAI – 600 034

**B.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS**

**FIFTH SEMESTER – NOVEMBER 2024**

**UCA 5503 – VISUAL PROGRAMMING**



Date: 11-11-2024

Dept. No.

Max. : 100 Marks

Time: 09:00 am-12:00 pm

## SECTION A - K1 (CO1)

**Answer ALL the Questions -**

**(10 x 1 = 10)**

### 1. Definitions

- a) Polymorphism
- b) Inheritance
- c) Multidimensional array
- d) Data binding
- e) Validation control.

### 2. MCQ

- a) Web.config file is used for \_\_\_\_\_.  
A. Configures the time that the server-side code behind module is called.  
B. To store the global information and variable definitions for the application.  
C. To configure the web server.  
D. To configure the web browser.
- b) Which of the following statement is used to define a class in visual basic?  
A. Event class statement  
B. Class statement  
C. Form class statement  
D. Event statement
- c) What class does the ASP.NET Web Form class inherit from by default?  
A. System.Web.UI.Page  
B. System.Web.UI.Form  
C. System.Web.GUI.Page  
D. System.Web.Form
- d) Attribute must be set on a validator control for the validation to work  
A. ControlToValidate  
B. ControlToBind  
C. ValidateControl  
D. Validate
- e) Which of the following applications can be developed using Visual Basic tool?  
A. Graphical User Interface  
B. Real time  
C. Character User Interface  
D. String User Interface

## SECTION A - K2 (CO1)

**Answer ALL the Questions**

**(10 x 1 = 10)**

### 3. Fill in the blanks

- a) \_\_\_\_\_ allows us to create a new class from an existing class.

b)	A derived class that inherits from only one base class is called as _____.
c)	_____ is used to get user input.
d)	A _____ is a special method that is used to initialize objects.
e)	The variables that does not change the value during execution of program is called as _____
<b>4. True or False</b>	
a)	The break statement is used to terminate the loop or statement in which it is present.
b)	Switch statement is an alternative to long if-else-if ladders.
c)	ListBox is used to create a dropdown list control
d)	ControlToValidate takes the ID of control to validate.
e)	A basic class that inherits from two or more base classes is called multi-level inheritance.
<b>SECTION B - K3 (CO2)</b>	
<b>Answer any TWO of the following</b> <span style="float: right;"><b>(2 x 10 = 20)</b></span>	
5.	Identify and write about the Framework Class Library.
6.	Construct a program to illustrate inheritance concept in C#.
7.	Identify and write about the different types of operators used in C#.
8.	Select any FIVE data controls and its properties.
<b>SECTION C – K4 (CO3)</b>	
<b>Answer any TWO of the following</b> <span style="float: right;"><b>(2 x 10 = 20)</b></span>	
9.	Distinguish Data Adapter and Data Binding
10.	Inference validation controls with examples.
11.	Classify and explain List controls.
12.	Analyse file stream class with sample code.
<b>SECTION D – K5 (CO4)</b>	
<b>Answer any ONE of the following</b> <span style="float: right;"><b>(1 x 20 = 20)</b></span>	
13.	Explain the .NET framework architecture with a neat diagram.
14.	Criticize the Rich controls in ASP.NET.
<b>SECTION E – K6 (CO5)</b>	
<b>Answer any ONE of the following</b> <span style="float: right;"><b>(1 x 20 = 20)</b></span>	
15.	Develop a C# program to check an element present in an array or not by using required control
16.	Design a web application to maintain Library records. The data must be retrieved from the database.

-----