

Jagannath International Management School

VasantKunj, New Delhi – 110070

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)

Recognized u/s 2(f) by UGC & Accredited with 'A' Grade by NAAC

Participant of UNGC & UNPRME, New York

ISO 9001:2015 Quality Certified

Bachelor of Computer Applications (BCA)

Course : BCA

Subject Code: 20134

Semester : II

Subject : VB.Net Lab

S. No.	Question
1.	Create console application showing the use of conditional constructs - if, if-else, if-elseif-else, nested if, select case.
2.	Create console application showing the use of loops -Do While..Loop, Do Until ... Loop, While... Wend, For ... Next, For Each ... Next.
3.	Create a simple windows application showing the use of TextBox, Button, Label Controls, Radio Button, Check Box, Combo Box and List Box Controls.
4.	Create a windows application showing the use of Image, Timer, Panel, Scroll bar, Status Bar Controls.
5.	Create an MDI application showing the use of multiple forms, toolbar, menu, status bar, RichText Box, Dialog Controls.
6.	Create console/windows application to showing the use of Structured Exception handling- try..end try, catch, finally.
7.	Create console/windows application to showing the use of Unstructured Exception handling- On Error, Resume Next etc.
8.	Create console/windows application showing the use of Array class - its methods and properties.
9.	Create console/windows application showing the use of Array List - its methods and properties.
10.	Create console/windows application showing the use of Enumeration, Constants and Structures.
11.	Create console/windows application showing the declaration and use of user defined functions.
12.	Create console/windows application showing the use of different argument passing mechanism – ByVal, ByRef, Optional and Paramarray.
13.	Create console/windows application showing the declaration and use of Class with Data members, Function Member, Constructor Member, Destructor Member, Event Member, Property Member, Shared Member, Type Member.
14.	Create console/windows application showing the implementation of Inheritance.
15.	Create console/windows application showing the use of Polymorphism.
16.	Write a Program to find diameter, circumference and area of circle using procedure.
17.	Write a Program to find maximum between three numbers using select case and if-else.
18.	Create Basic calculator with all the functionalities.
19.	Create a basic Digital or Analog Clock using Timer, Image, Button, ComboBox and other relevant controls.
20.	Write a Program to find second largest element and second smallest element in an array.

S. No.	Question
21.	Write a program to create an arraylist of 10 elements. Create a procedure to add new element at the specific location in the arraylist and display the updated arraylist.
22.	Write a program to validate the username and password entered by user and create userdefined exception to prompt message on three consecutive wrong password entries.
23.	Create a Class Box with following private data members length, breadth, height and function getVolume, and public member functions input and output. Create an object of class and call appropriate functions.
24.	Create a class Rectangle, with protected members width and height, public procedure setWidth and setHeight, getArea. Inherit it in another Class ShrinkRectangle with a data member shrink factor. Create object of the class and call appropriate member functions. Create appropriate class to demonstrate overloading of function 'area' for finding area of a circle, square, rectangle and a triangle.
25	Create a class Book with data members: BookId, BookName, Cost, Pages. Member property to add data to all its data members, function to find cost per page. Create five objects of 5 books and find total cost.