

F- 1885

**Diploma in Computer Application
(Second Semester)
EXAMINATION, May-June, 2022
(New Course)
GUI-PROGRAMMING IN VISUAL BASIC
(DCA-105)**

*Time : Three Hours]**[Maximum Marks : 100**[Minimum Pass Mark : 33*

Note : Attempt any two parts from each question. All questions carry equal marks.

1. (A) Describe all the components of IDE.
(B) Explain all the data types available in VB.
(C) Explain the various operators available in VB, with example.
2. (A) Explain if-else-endif and select case statement with example.
(B) What do you mean by array. Explain all the types of array. How to create dynamic array?
(C) Explain various keyboard events with example.

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[2]

3. (A) Write short notes on the followings:
 - (i) Date & time function
 - (ii) String related function
 - (iii) Validation function(B) Describe the user defined procedure and function with example. What do you mean by recursion
(C) How many types of modules are available in VB, explain with example?
4. (A) Explain the following advanced controls with their properties and methods:
 - (i) toolbar
 - (ii) Progress bar
 - (iii) dtpicker(B) Differentiate MDI and SDI forms. How to create MDI form and menus in VB.
(C) Explain the graphics controls available in VB with their properties and methods.
5. (A) Describe how to create database application using DAO control.
(B) Explain the followings for ADO control
 - (i) Record Set
 - (ii) Connection Object
 - (iii) Command Object(C) What is visual data manager? What do you mean by relational database, sql, and ODBC.

F- 1885