(4)   **Code No. : B-951**

Q-2. Write a Visual program to demonstrate the use of a user defined procedure.

OR

Write a Visual Basic program to take an integer as input from the user and display the factorial of the number using loop control structure.

Q-3. Write a Visual Basic program to demonstrate the use of ComboBox in an application. The program should read the choice selected by the user through the ComboBox and display the choice.

OR

What are the different techniques to handle errors in Visual Basic? Write a small program to demonstrate how to handle errors using the On - Error statement.

Q-4. Explain the file operations that can be performed using Visual Basic programs. What type of applications can be created using file handling?

OR

What are the different techniques to access data through a Visual Basic application? What is the difference between ADO and RDO?

Q-5. What are the different steps to create a data report for an application?

OR

Explain the use of the date/time controls like Calendar and Timer. Write a program that displays the current date and time after every 1 second.

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Roll No......................   Total No. of Section   : 03

Total No. of Printed Pages : 04

Code No. : B/951

Second Semester Examination, May-2017

PGDCA

PGDCA-106

Paper - I

GUI PROGRAMMING IN VISUAL BASIC

Time : 3 Hrs.   Max.Marks:100

Note :Section 'A', consists of 10 very short answer type questions, all of which are compulsory and should be attempted first. Section 'B' consists of four short answer type questions with internal options. Section 'C' consists of four long answer type questions with internal choice.

Section-'A'

Answer the following very short-answer-type questions in one or two sentences.   (2x10=20)

Q-1. Name any two events associated with Mouse.

Q-2. How can we write a one line comment in a Visual Basic program?

Q-3. How can you display today's date in a Visual Basic program?

Q-4. What are the different kinds of loops in Visual Basic?

Q-5. For which purpose are functions like Cint and val used for ?

Q-6. What is an Error handler?

Q-7. What is the full form of ADO?

P.T.O.

Q-8.   Name some of the functions used for file handling operations?

Q-9.   What is the difference between a form and a MDI form?

Q-10.   What is SQL used for?

Section-'B'

Answer the following short-answer-type questions with word limit 200-250. *Give example code wherever relevant.*   **(6ₓ5=30)**

Q-1.   What do you mean by event driven programming? Give example of an event and one property of the Command Button.

OR

What is the difference between Msgbox and InputBox? Write a program that will ask the user to enter his/her name and then display the user's name. Use Msgbox, InputBox and Command Button only.

Q-2.   Write a Visual Basic program that will take an integer from the user as input and then print its multiplication table. The code should use any suitable kind of loop for this work.

OR

Write a Visual Basic program that will take three integers as input from the user and then display the value of the largest of them. The code should use if-else construct for this work.

Q-3.   Mention the basic controls available in the Visual Basic tool box with their use.

OR

With the help of an example code explain how error handling is done in Visual Basic.

Q-4.   With the example of an example code explain how file operations can be performed through Visual Basic programs?

OR

Explain ActiveX data Objects?

Q-5.   What is the use of MDI forms and dialog boxes for application development? Name the different dialog boxes available.

OR

Why are data reports needed for an application? What is Crystal Report?

Section-'C'

Answer the following long-answer-type questions with word limit 400-450.   **(10ₓ5=50)**

Q-1.   What are the basic elements of event driven programming model? Explain the terms event, property and methods for control objects.

OR

What is the importance of documentation and indentation of program? With the help of a well documented and well indented program explain how single line and multiline comments can help to increase the readability of code.