

M.C.A DEGREE EXAMINATIONS, APRIL / MAY 2013

R-2009

FOURTH SEMESTER

MC9246: VISUAL PROGRAMMING LAB

TIME: 3 HOURS

MARKS: 100

1. a. Using control array create a simple calculator in Visual Basic. (60)
b. Develop a Visual C++ program to create a list box in a window. (30)
c. *Viva- Voce – 10 marks*

2. a. Develop a simple VB application that demonstrates the use of mouse and keyboard events. (30)
b. Develop a simple VB application to reverse a given string and check whether the string is a palindrome. (30)
c. Develop a Visual C++ program to find the occurrence of a given word in a paragraph. (30)
d. *Viva- Voce – 10 marks*

3. a. Develop a windows SDK program to display a text in the client area. (25)
b. Develop a windows SDK program to handle mouse events. (25)
c. Develop a windows SDK program to draw and display the different GDI objects using GDI functions. (40)
d. *Viva- Voce – 10 marks*

4. a. Develop a VC++ program to handle arithmetic operations using MFC dialog based application. (30)
- b. Develop a VC++ program to build an application for a library management system using ActiveX control. State the functional requirements you are considering for developing the application. (60)
- c. *Viva- Voce – 10 marks*

5. a. Consider the following relational schema for a banking database application:

CUSTOMER (CID, CNAME)

ACCOUNT (ANO, ATYPE, BALANCE, CID)

An account can be a savings account or a current account. Check ATYPE in 'S' or 'C'. A customer can have both types of accounts.

TRANSACTION (TID, ANO, TTYPE, TDATE, TAMOUNT)

TTYPE CAN BE 'D' OR 'W'

D- Deposit; W – Withdrawal

The primary keys are underlined.

Create a database for the above schema using a database management system of your choice. Develop an application in VB using DAO and ADO. The application you develop must support query operations, insertion, deletion and updation of records in the database. (90)

b. *Viva- Voce – 10 marks*

6. a. Create a database for a banking system using a database management system of your choice. Develop an application in VB using DAO and ADO. The application you develop must support query operations, insertion, deletion and updation of records in the database. State the functional requirements you are considering for developing the application. (90)

b. *Viva- Voce – 10 marks*

7. a. Create a database for a library management system using a database management system of your choice. Develop an application in VB using DAO and ADO. The application you develop must support query operations, insertion, deletion and updation of records in the database. State the functional requirements you are considering for developing the application. (90)

b. *Viva- Voce – 10 marks*

8. a. Create a database for a library management system using a database management system of your choice. Develop an SDI application in VC++ for the above. Use ODBC. The application you develop must support query operations, insertion, deletion and updation of records in the database. State the functional requirements you are considering for developing the application. (90)

b. *Viva- Voce – 10 marks*

9. a. Create a database for a library management system using a database management system of your choice. Develop an MDI application in VC++ for the above. Use ODBC. The application you develop must support query operations, insertion, deletion and updation of records in the database. State the functional requirements you are considering for developing the application. (90)

b. *Viva- Voce – 10 marks*

10. a. Create a database for a banking system using a database management system of your choice. Develop an SDI application in VC++ for the above. Use ODBC. The application you develop must support query operations, insertion, deletion and updation of records in the database. State the functional requirements you are considering for developing the application. (90)

b. *Viva- Voce – 10 marks*

11. a. Create a database for a banking system using a database management system of your choice. Develop an MDI application in VC++ for the above. Use ODBC. The application you develop must support query operations, insertion, deletion and updation of records in the database. State the functional requirements you are considering for developing the application. (90)
- b. ***Viva- Voce – 10 marks***
12. a. Develop an application for a library management system in VB using file system controls. State the functional requirements you are considering for developing the application. (90)
- b. ***Viva- Voce – 10 marks***
13. a. Develop a VC++ program to display the text on modeless dialog box. (30)
- b. Develop a Visual C++ program for creating a Slider Control. (30)
- c. Develop a Visual C++ program for creating a Tree View Control. (30)
- d. ***Viva- Voce – 10 marks***
14. a. Develop a Visual C++ program for creating a Splitter View Control. (30)
- b. Develop a Visual C++ program to develop DLL and export the function using MFC and use the same function in the client program using MFC. (60)
- c. ***Viva- Voce – 10 marks***

15. a. Create a database for a student admission system using a database management system of your choice. Develop an MDI application in VC++ for the above. Use ODBC. The application you develop must support query operations, insertion, deletion and updation of records in the database. State the functional requirements you are considering for developing the application. (90)

b. *Viva- Voce – 10 marks*
