

DBMS

(H-3)- BCA (5)

2013

Time : 3 hours

Full Marks : 100

Candidates are required to give their answers in their

Own word as far as practicable.

The questions are of equal value.

*Answer any **five** questions, in which*

Question no.1 is compulsory.

1. Choose the correct answer of the following :
 - (a) **VB is :**
 - (i) **Visual Building** (ii) **Visual Basic**
 - (iii) **Veiw Building** (iv) **View Basic**
 - (b) **Which of these is not an collection of the VB project ?**
 - (i) **The Global Module** (ii) **The from Module**
 - (iii) **The Object Module** (iv) **The Class Module**
 - (c) **Which of these is not an valid message box in VB?**
 - (i) **vbOKonly** (ii) **vbExitOnly**
 - (iii) **vbAbortRetryIgnore** (iv) **vbRetryCancel.**
 - (d) **What is DAO?**
 - (i) **Database Access Object**
 - (ii) **Database Access Object**
 - (iii) **Database Access Object**
 - (iv) **None of these**

- (e) **Visual Basic uses an object called.....to hold your table.**
- (i) **Record** (ii) **Record Set**
- (iii) **File** (iv) **Table**
- (f) **A Database is :**
- (i) **A vast amount of data stored in a group of integral files**
- (ii) **A set of condensed data highlighting specific information**
- (iii) **Arrangement of data in particular order**
- (iv) **Basic data for processing an application**
- (g) **SQL works with database ?**
- (i) **MS-Access** (ii) **DB2**
- (iii) **MS-SQL** (iv) **All of the above**
- (h) **Which of the following stores 32-bit floating point numbers in SQL?**
- (i) **Double** (ii) **BLOB**
- (iii) **REAL** (iv) **None of the above**
- (i) **A table column that contains values that are primary-key values in another table?**
- (i) **Primary key** (ii) **Relation key**
- (iii) **Foreign key** (iv) **Value key**
- (j) **Which of the following is application package?**
- (i) **SQL Server** (ii) **Oracle**
- (iii) **MS-access** (iv) **All of the above**

2.
 - (a) **List and explain the functions of various windows that are displayed when the Visual Basic application gets loaded in the design mode.**
 - (b) **Discuss the concept of VB project, creating, opening and saving the projects.**
3.
 - (a) **What do you understand by event driven programming? List and explain about some of the events supported by visual basic object.**
 - (b) **What are the different data types supported by visual basic? How they can be declared? Also mention their uses.**
4.
 - (a) **Explain the procedure, subroutine, functions, arguments of VB language.**
 - (b) **Explain with examples: Control flow statement, conditional and Loop in VB.**
5.
 - (a) **Discuss the working with forms and Menus. Briefly explain the Mouse conflict, dragging list, items using message boxes and input dialogs.**
 - (b) **Explain the Active X Commands and discuss the text box controls.**
6.
 - (a) **Explain the scrollbars and their types. What are the different types of dialog boxes? Briefly explain the built Active X controls.**
 - (b) **Discuss briefly about graphics controls. Explain Classes, Instances, Object and OLE.**
7.
 - (a) **Define database. Explain the feature of effective DBMS with pros and cons.**
 - (b) **List the various types of Data Model. Explain any two.**
8.
 - (a) **Explain the application of DBMS system. What do you mean by Entity Relationship charts.**
 - (b) **Discuss DML, DDL and DCL with suitable example.**

9. (a) Explain the architecture of RDBMS. Discuss performance improvement in databases.
- (b) Explain SQL with basic commands. Discuss any five Functions of
10. Write short notes on any two of the following :
- (a) From design on an Advanced RDBMS
- (b) Report Generation
- (c) Security Consideration
- (d) QBE (Query By Example)
