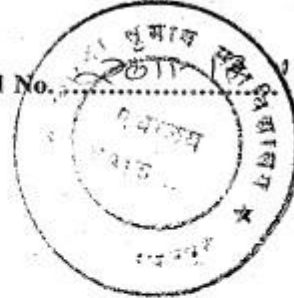


Roll No. 10



V-4814

**D. C. A. (Second Semester)
EXAMINATION, 2012**

**GUI-PROGRAMMING IN VISUAL BASIC
(DCA-105)**

Time : Three Hours]

[Maximum Marks : 100

[Minimum Pass Marks : 33

Note : Attempt any five questions. All questions carry equal marks.

1. (a) Write a short note on properties, method and events of Visual Basic.
(b) What are different data types and data conversion functions used in VB ?
2. (a) Write a program to find greatest number out of three number using nested if else condition.
(b) Explain array and array of control in V. B.
3. (a) Write a program to swap two numbers using call by value and call by reference function.
(b) What are different string related functions used in VB ?
4. (a) Write short notes on any two of the following :
(i) Tabbed dialog control

P. T. O.

[2]

- (ii) Animation control
- (iii) Common dialog control
- (b) Explain SDI and MDI forms.
- 5. (a) Write the difference between ADO, DAO and RDO controls.
- (b) Explain visual data manager and ODBC.
- 6. (a) What are the different editions of Visual Basic ? Write the features of each edition.
- (b) Explain Message box and Input box function with example.
- 7. (a) Write a program to take input of two matrices and perform their addition.
- (b) What is Recursion ? Explain with example.

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-4815

**Diploma in Computer Application
(Second Semester) EXAMINATION, 2012**

DATABASE MANAGEMENT SYSTEM

(DCA-106)

Time : Three Hours]

[Maximum Marks : 100

[Minimum Pass Marks : 33

Note : Attempt any *two* questions from each Unit. All questions carry equal marks.

Unit-I

1. What do you mean by DBMS ? Write any *four* purpose of DBMS. Describe the role of DBA (any *three*).
2. What is Data Abstraction ? How is it achieved in DBMS ? Explain with suitable example.
3. What are Database Language and its types ? Explain it.

Unit-II

1. Describe basic notation of E-R data model. Draw E-R diagram for online book shop.
2. Explain generalization, specialization and aggregation with suitable example.
3. What are various keys ? Define various types of keys with proper example.

P. T. O.

Unit - III

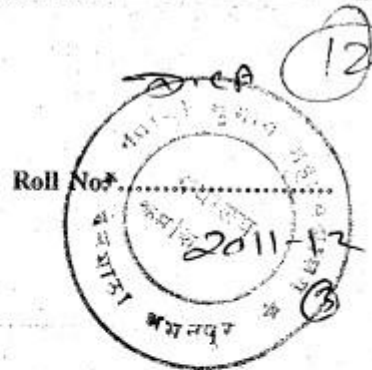
1. What is Joins ? Explain natural joins, equi joins, outer join with example.
2. Explain the following terms :
 - (i) Entity Integrity
 - (ii) Referential Integrity
3. Compare Relational algebra and Relational calculus.

Unit - IV

1. Define the following terms :
 - (i) Functional dependency
 - (ii) Non-loss decomposition
2. Discuss the SELECT query with all its phrase with suitable example.
3. What is Normal Form ? Explain 1 NF, 2 NF and 3 NF with proper example.

Unit - V

1. What is SQL Function ? Explain the following functions :
 - (i) Numerical function
 - (ii) Character function
 - (iii) Aggregate function
 - (iv) Date function
2. Write security features of ORACLE and write utilities and feature of ORACLE.
3. Differentiate between the following :
 - (i) Drop command and delete command
 - (ii) Alter command and update command



V-4816

**Diploma in Computer Application
(Second Semester) EXAMINATION, 2012**

HTML AND INTERNET APPLICATIONS

(DCA-107)

Time : Three Hours]

[Maximum Marks : 100

[Minimum Pass Marks : 33

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

Unit-I

1. (a) What is HTML ? Create web page to explain the use of ordered and unordered list.
- (b) What is XML ? Make difference between HTML and XML.
- (c) Explain the term CSS in detail.

Unit-II

2. (a) What is the role of < hr > tag ? What are the various attributes it can take ?
- (b) What is the use of IMG and BR tag in HTML. ? Explain with an example.
- (c) Write a HTML code for create the following table :

P. T. O.

STUDENT RECORD

Name	Class	Contact No.	Address
Amit	DCA	9993790237	Raipur
Sumit	PGDCA	9999306032	Durg
Anita	BCA	9999030523	Bhilai

Unit – III

3. (a) Create an internal hyperlink from the top of your page to the bottom of the same page.
- (b) What is the use of the < a > tag ? How would you navigate between multiple pages ?
- (c) What is the use of Frames in HTML ? Explain with an example.

Unit – IV

4. (a) What is VB cript ? Why are we using VB Script ? Explain.
- (b) Explain the term web space allocation. Also describe DNS.
- (c) Write a short note on uses of FTP and cute FTP.

Unit – V

5. (a) What do you understand by Internet ? List out various internet service providers.
- (b) What is Internet Security ? Explain various major issues of internet securities.
- (c) Describe ARPANET in detail.