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Roll No.



W-5146

**Diploma in Computer Application
(Second Semester) EXAMINATION, 2013**

**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 understand by instant and schema ? Write down definition of DBMS and its purpose in detail.
2. What do you understand by DBA and Database User ? Explain in detail.
3. Explain the following terms :
 - (i) Database languages
 - (ii) Data models

Unit-II

4. What do you understand by E-R model ? Draw E-R diagram for Library Management System.
5. What do you understand by generalization, specialization and aggregation ? Explain with suitable example.

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6. Explain the following terms :
- (i) Key and its types
 - (ii) Strong and weak entity set

Unit - III

7. What do you understand by relational algebra and its operation ? Explain with suitable example.
8. Explain join and its types with suitable example.
9. Explain the following terms :
- (i) Set operations
 - (ii) Integrity constraints

Unit - IV

10. What do you mean by normalization ? Explain 1NF, 2NF and 3NF with suitable example.
11. Explain BCNF and Good/Bad decomposition with suitable example.
12. Explain the following terms :
- (i) Full functional dependency
 - (ii) Multivalued dependency

Unit - V

13. What do you understand by SQL and its environment ? Explain SQL function in detail.
14. What is DDL and DML ? Explain with suitable example.
15. Define the following terms :
- (i) Nested queries
 - (ii) Select command

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**Diploma in Computer Application
(Second Semester) EXAMINATION, 2013**

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) Differentiate between event-driven programming and procedure oriented programming.
(b) What do you mean by scope of variable ?
2. (a) What do you mean by conditional and looping statements ? Explain with examples.
(b) Explain array and array of control in VB.
3. (a) Write a program to find the largest number in an array using function.
(b) Explain any five string related functions in VB.
4. (a) What is tool bar, status bar and menu bar ?
(b) Explain SDI and MDI form with example.

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5. (a) What do you mean by record set ?
(b) What is data manager ? Explain in data with example.
6. (a) What do you mean by operators ? Explain different operators in VB.
(b) What is the difference between call by value and call by reference ? Explain with example.
7. Write short notes on any *four* of the following :
 - (i) Animation Control
 - (ii) MsgBox and Inputbox function
 - (iii) ODBC
 - (iv) DDL and DML
 - (v) Recursive function
 - (vi) Features of VB

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X-3566

**Diploma in Computer Application
(Second Semester) EXAMINATION, June, 2014**

HTML AND INTERNET APPLICATIONS

(DCA-107)

Time : Three Hours]

[Maximum Marks : 100

[Minimum Pass Marks : 33

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

Unit-I

1. (a) Explain naming scheme for HTML documents.
- (b) Discuss HTML document structure with illustration.
- (c) What is extensible style sheet language and XML ? Explain.

Unit-II

2. (a) What is Link ? Explain ALINK and VLINK.
- (b) Write short notes on the following :
 - (i) Heading (Hn)
 - (ii) Text emphasis elements
- (c) Explain logical and physical style in HTML.

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Unit—III

3. (a) Discuss internal and external linking of web pages.
- (b) How can we design frames in HTML ? Explain.
- (c) Explain insertion of images using the element IMG.

Unit—IV

4. (a) What are static web pages and dynamic web pages ? Explain.
- (b) Write practical example and client side scripting.
- (c) Explain hosting and promotion of website.

Unit—V

5. (a) Write short notes on any *two* of the following :
 - (i) ISP
 - (ii) ARPANET
 - (iii) WWW
- (b) Write short notes on any *two* of the following :
 - (i) DNS
 - (ii) Internet security
 - (iii) Distributed computing
- (c) What is Internet ? Discuss internet applications.

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Unit-III

3. (a) What is the use of frames in HTML ? Explain with example.
- (b) How internal and external linking between web pages is done ? Explain.
- (c) Write short notes on the following :
 - (i) HREF in Anchors
 - (ii) Name attribute in an anchor

Unit-IV

4. (a) Discuss the concept of static web pages and dynamic web pages.
- (b) What is scripting ? What are the types of scripting languages ?
- (c) Write a short note on uses of FTP and cute FTP.

Unit-V

5. (a) List out the types of internet connectivity. Explain each in brief.
- (b) Explain different types of internet services.
- (c) Write short notes on the following :
 - (i) Distributed computing
 - (ii) DNS server

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Diploma in Computer Application
(Second Semester) EXAMINATION, 2013

HTML AND INTERNET APPLICATIONS

(DCA-107)

Time : Three Hours]

[Maximum Marks : 100

[Minimum Pass Marks : 33

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

Unit-I

1. (a) What is HTML ? Explain the structure of HTML.
- (b) Define HTML elements. Explain DHTML.
- (c) What is XHTML, CSS and XML ? Explain.

Unit-II

2. (a) Discuss body elements and its attributes.
- (b) Write in short on the following :
 - (i) Logical and Physical style
 - (ii) Text block elements
- (c) What is the use of IMG and BR tag in HTML ? Explain with example.

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