Programme: Diploma in Computer Applications

(Semester: II)

Course Title: Database Management System

Course Code: DCAL - 2111

Time Allowed: 3 Hours   **Max Marks: 80**

Note: Attempt five questions in all, selecting atleast one question from each section. The fifth question can be done from any section. Each question carries 16 marks.

Section A

Q1: What do you mean by DBMS? Explain its components in detail. (16)

Q2 Write three levels architecture of DBMS alongwith the mappings.(16)

Section B

Q3: Compare the three data models of DBMS.   (16)

Q4: What is normalization? Explain 2NF and 3NF.   (16)

Section C

Q5: What is Oracle? Explain its features.   (16)

Q6: Explain the sub languages (DDL, DML and DCL) of SQL.   (16)

Section D

Q7: a) Compare and contrast SQL and PL/SQL.   (8)

b) Explain %type and %rowtype variable attributes in PL/SQL. (8)

Q8: Write a note on the following   (4*4 = 16)

   a) Variable Vs Contant
   b) Control statement
   c) Advantages of PL/SQL
   d) Structure of PL/SQL program

Programme: Diploma in Computer Applications

Semester: II

Course Title: Internet Applications

Course Code: DCAL-2112

Time Allowed: 3 Hours   **Maximum Marks: 80**

Note: Attempt five questions in all, selecting atleast one question from each section. Fifth question may be attempted from any section. Each section carries 16 marks.

SECTION A

Q1. What is a search engine? Explain its working.   (16 Marks)

Q2. What is an email? Explain its structure, procedure of sending and receive an email.   (16 Marks)

SECTION B

Q3. (a) What do you mean by WWW? How will you set and remove a book mark on a web?   (10 Marks)

(b) How will you print a webpage? Explain with an example. (6 Marks)

Q4. Explain in brief various payment methods used these days? (16 Marks)

SECTION C

Q5. Explain the following terms related with HTML:

(a) Table (b) Frame (c) Entities (d) Form   (4x4=16 Marks)

Q6. (a) How will you link two web pages with the help of **HYPERLINK** tag? Give example.

(b) Design a suitable on-line admission for your college with the help of **FORM** tag.   (2x8=16 Marks)

SECTION D

Q7. What do you mean by CSS? Explain various types of CSS. (16 Marks)

Q8. Explain the following terms related with CSS:

(a) 2D Transformations

(b) Transitions

(f) Animations   (5+5+6=16 Marks)

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