

For Reappear Candidates (Old Syllabus (2022-23))

**Exam Code: 408802**

**Paper Code: 9228**

**Programme: Diploma in Computer Applications Semester – II**

**Course Title: Database Management System**

**Course Code: DCAM-2111**

**Time Allowed—3 Hours**

**Maximum Marks—50**

**Note:** - Attempt FIVE questions in all, selecting at least ONE question from each section. Fifth question can be attempted from any section. Each questions carries equal (10) marks.

**Section-A**

- Q1: - Define Database Management System. What are the advantages of DBMS over traditional file processing system? Explain (10)
- Q2: - Discuss the three level architecture of database management system. (10)

**Section-B**

- Q3: Tabulate the differences between network and hierarchical model. (10)
- Q4: Define normalization. How 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> normal forms are applied on database? Explain. (10)

**Section-C**

- Q5: - Discuss the following in brief:- (5\*2)
- c) Candidate key, Super key and Foreign key
  - d) Joins
- Q6: - List and explain DDL and DML statements with suitable example. (10)

**Section-D**

- Q7: - Write a note on: (5\*2)
- c. Block structure of PL/SQL
  - d. Control statements of PL/SQL
- Q8: - Discuss important features and relationship of PL/SQL. (10)

**Exam Code: 408802**

**Paper Code: 2286**

**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

**Exam Code: 408802**

**Paper Code: 2287**

**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

(c) Animations

(5+5+6=16 Marks)