

NETTUR TECHNICAL TRAINING FOUNDATION
DIPLOMA IN INFORMATION TECHNOLOGY & DATA SCIENCE – CP09
II SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JULY 2023

Subject: Data Base Design & Development

Total Time: 2 Hr.

Subject Code: CP09210T

Total Marks: 50

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING

2*8=16

- 1.1 Define data warehouses
- 1.2 Explain the concept of functional dependency
- 1.3 What is Data integrity?
- 1.4 Write the difference between char and varchar?
- 1.5 Differentiate between left and right join
- 1.6 What is logical database design?
- 1.7 What is MIN?
- 1.8 What are the types of Constraints?
- 1.9 Expand OLAP & OLTP
- 1.10 What is Derived Data?

2.0 ANSWER ANY SIX OF THE FOLLOWING

3*6=18

- 2.1 Define Entity, Attribute and Relationship
- 2.2 Explain insertion, deletion and updation anomalies
- 2.3 What is table and view in database?
- 2.4 Why referential integrity is important in database?
- 2.5 What are the types of joins?
- 2.6 What is De-normalization?
- 2.7 Write the difference between OLAP system and Data warehouse
- 2.8 What is Snowflake schema and Star flake schema?

3.0 ANSWER ANY FOUR OF THE FOLLOWING

4*4=16

- 3.1 Write the key concepts of the Relational Model
- 3.2 Explain the different types of normal forms?
- 3.3 Explain the types of indexes
- 3.4 Write the Codd's Rules for OLAP
- 3.5 Explain the common types of database systems
- 3.6 Explain the types of Database Environment

