

NETTUR TECHNICAL TRAINING FOUNDATION
DIPLOMA IN ELECTRONICS ENGINEERING & EMBEDDED SYSTEM – CP04
IV SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JULY 2023

Subject: Computer Programming-Python and Database
Subject Code: CP04402T

Total Time:2 Hr.
Total Marks: 50

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING

2*8=16

- 1.1 How to run python in command line?
- 1.2 Describe reserved words
- 1.3 What does len() do?
- 1.4 Why lambda forms in python do not have statements?
- 1.5 What is method in OOP?
- 1.6 Write two applications of databases
- 1.7 Write the syntax of SELECT and INSERT.
- 1.8 Define table. Write the syntax of creating a table
- 1.9 Define truncate with syntax.
- 1.10 What is views in SQL?

2.0 ANSWER ANY SIX OF THE FOLLOWING

3*6=18

- 2.1 Explain arithmetic operators in Python
- 2.2 What is append () and extend () method? Explain
- 2.3 How to slice list in python?
- 2.4 List & explain the constructors in python
- 2.5 Write a short note on a) Encapsulation b) Polymorphism c) Inheritance
- 2.6 What are the purpose of data base systems?
- 2.7 What is the difference between truncate and delete?
- 2.8 What is SQL? Explain different categories of SQL with examples.

3.0 ANSWER ANY FOUR OF THE FOLLOWING

4*4=16

- 3.1 What is ER model? Describe about all the models.
- 3.2 What is a join? What are the different categories of joins?
- 3.3 What is the difference between unique and primary key?
- 3.4 Describe about DML and DDL examples with their syntax.
- 3.5 What are the different types of database architecture? Explain any one
- 3.6 Differentiate between Object-oriented vs. Procedure-oriented Programming languages

