NETTUR TECHNICAL TRAINING FOUNDATION
DIPLOMA IN MECHATRONICS ENGINEERING AND SMART FACTORY – CP15
IV SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JULY 2023

Subject: Computer Programming-Python and Database **Total Time: 2 Hr.**
Subject Code: CP15402T **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

IMSF-8615

NETTUR TECHNICAL TRAINING FOUNDATION
DIPLOMA IN MECHATRONICS ENGINEERING AND SMART FACTORY – CP15
IV SEMESTER SUPPLEMENTARY EXAMINATION-JULY 2023

Subject: Computer Programming - VB, Networking   **Time: 2 Hr.**

Subject Code: CP15 0404   **Marks: 50**

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING   2*8=16

1.1 List out the types of queries

1.2 Name the dialog boxes associated with common dialog control

1.3 List out the types of action queries

1.4 Explain about forms in MS Access

1.5 Define array, and mention various types of arrays

1.6 Write a short note on report in MS Access

1.7 List any four MS-ACCESS data types

1.8 Differentiate textbox and label

1.9 Explain any four data types in VB

1.10 Differentiate between back end and front end tools

2.0 ANSWER ANY SIX OF THE FOLLOWING   3*6=18

2.1 Explain dim and static variables in VB

2.2 Write the syntax of "for loop" statement

2.3 Explain if…….endif statement with one Example

2.4 Explain any four properties of command button.

2.5 List and explain the types of networks

2.6 Explain any four properties of textbox

2.7 What are the various properties of Menu control?

2.8 List out data types in MS-ACCESS & explain in detail

3.0 ANSWER ANY FOUR OF THE FOLLOWING   4*4=16

3.1 What is a variable? List rules for naming variables

3.2 Briefly explain about relationship (One to One, One to Many, Many to Many) in Database with Example

3.3 Explain the types of network Topologies with diagram

3.4 Explain list box. How to add items in list box?

3.5 Explain about Decision statements in VB. Give the example.

3.6 Explain layers of OSI model with neat diagram.

IMSF-8615