

NETTUR TECHNICAL TRAINING FOUNDATION
DIPLOMA IN COMPUTER ENGINEERING & IT INFRASTRUCTURE –CP08
III SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JAN 2023

Subject: OOPs with C++
Subject Code: CP08307T

Total Time: 2 Hr.
Total Marks: 50 marks

PART B

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

- 1.1 What is object and class?
- 1.2 What is mean by function overloading?
- 1.3 Describe data member and member function
- 1.4 What is mean by parameterized constructor?
- 1.5 What is polymorphism and what are the types of polymorphism?
- 1.6 What is mean by output stream?
- 1.7 What is mean by exceptions?
- 1.8 What is the use of friend function?
- 1.9 What is mean by abstract class?
- 1.10 Write a c program to implement array with in a class

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

- 2.1 Explain the structure of c++ program with example
- 2.2 What is the difference between const and volatile qualifier?
- 2.3 What are the two ways to define a member function?
- 2.4 What are the characteristics of a constructor?
- 2.5 Write a c++ program to overload unary minus using member function
- 2.6 Write a short note about different stream classes hierarchy
- 2.7 Define Base class and derived class.
- 2.8 What is the syntax of read () and write () functions and explain the use?

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

- 3.1 What are the different memory management operators explain in detail
- 3.2 Write a C++ program to get the name, age and salary of an employee and display the same.
- 3.3 What are the different Formatted I/O operations?
- 3.4 Write a c program to implement object as function arguments and returning objects
- 3.5 Explain different types of inheritance in detail with an example program
- 3.6 What is mean by object oriented programming? Explain different oops concept.

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DIPLOMA IN COMPUTER ENGINEERING & IT INFRASTRUCTURE –CP08
III SEMESTER SUPPLEMENTARY EXAMINATION-JAN 2023

Subject: JAVA Basics
Subject Code: CP08 03 02

Total Time: 2 Hr.
Total Marks: 50 Marks

PART B

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

- 1.1 What is garbage collection in java?
- 1.2 What are selection statements in java?
- 1.3 What is polymorphism?
- 1.4 What is abstract class?
- 1.5 What are access specifiers in Java?
- 1.6 What is interface in java?
- 1.7 What are checked exceptions in java? Give some example
- 1.8 What is Thread?
- 1.9 What are the two ways to create a thread?
- 1.10 Write a program to find the end of the file

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

- 2.1 What are the features of java?
- 2.2 Explain different types of constructors used in java
- 2.3 Write about the final keyword in java
- 2.4 Write a program for compile time exception in java
- 2.5 Write a program to copy a file to another in java
- 2.6 Write a program to find the properties of the file
- 2.7 Write the difference between interface and abstract class
- 2.8 Write a program to create a file in java

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

- 3.1 Write the Object oriented programming concepts in java
- 3.2 How to create, compile and execute a package program in java?
- 3.3 Explain the keywords used in exception handling in java
- 3.4 Write a program to implement the concept of synchronization
- 3.5 Explain different types of inheritance used in java
- 3.6 Explain the concept of exception in java

