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CS 131303 NR

Roll No. of candidate

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24/2/22 2021

B.Tech. 3rd Semester End-Term Examination

ECE / EEE & CSE

Computer Science

OBJECT ORIENTED PROGRAMMING IN C++

(New Regulation)

Full Marks – 70

Time – Three hours

The figures in the margin indicate full marks
for the questions.

Answer question No. 1 and any four from the rest.

1. Answer the following (MCQ/Fill in the blanks): (10 × 1 = 10)

- (i) Which is not a feature of OOP in general definitions?
- (a) Efficient Code (b) Code reusability
- (c) Modularity (d) Duplicate/Redundant data
- (ii) Which feature of OOP indicates code reusability?
- (a) Abstraction (b) Polymorphism
- (c) Encapsulation (d) Inheritance
- (iii) Which among the following doesn't come under OOP concept?
- (a) Data hiding (b) Message passing
- (c) Platform independent (d) Data binding
- (iv) Compile time polymorphism in C++ language are
- (a) Operator overloading (b) Function overloading
- (c) Function overriding (d) (a) and (b) Only

[Turn over

(v) C++ abstract class can contain

- (a) Pure virtual function
- (b) Non-virtual function
- (c) Only pure virtual function
- ☒ (d) Both pure virtual and non-virtual function

(vi) False statements about function overloading is

- (a) Defining multiple functions with same name in a class is called function overloading
- (b) Overloaded function must differ in their order and types of arguments.
- ☒ (c) Overloaded functions should be preceded with virtual keyword
- (d) No statement is false

(vii) True statement about Class and structure in C++ is

- ☒ (a) Default access specifier is private in class and public in structure
- (b) Way of creating objects of class and structure are different
- (c) Way of inheriting class and structure are different
- (d) None

(viii) Which is Abstract Data Type in C++

- ☒ (a) Class
- (b) Int
- (c) Float
- (d) Array

(ix) Which operator is used to allocate an object dynamically of a class in C++?

- (a) Scope resolution operator
- (b) Conditional operator
- ☒ (c) New operator
- (d) Membership access

(x) When you create an object of a class A like A obj ; then which one will be called automatically?

- ☒ (a) Constructor
- (b) Destructor
- (c) Copy constructor
- (d) Assignment operator

