

3224

B. Tech. 5rd Semester (ECE)

(Open Elective - I)

Examination – December, 2022

OBJECT ORIENTED PROGRAMMING WITH C++

Paper : OEC-ECE 317-G

Time : Three Hours]

[Maximum Marks : 75

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt five questions in all, selecting one question from each Section. Question No. 1 is compulsory. All questions carry equal marks.

1. Write short notes on :

5 × 3 = 15

- Empty classes
- Virtual Destructors
- Preprocessor Directives
- Scope Resolution Operator
- Encapsulation

3224- 400 -(P-3)(Q-9)(22)

P. T. O.

3224-

-(P-3)(Q-9)(22) (2)

SECTION – A

- What is object oriented programming ? How is it different from procedural oriented programming ? 8
 - Differentiate between structures in C++ with concept of classes in C++. 7
- What do you mean by Function overloading ? Explain with the help of suitable example. 10
 - Explain the concept of reusability in detail. 5

SECTION – B

- Discuss various access speceifiers in C++. 5
 - Explain different types of constructors in C++. 10
- What is friend function ? What are the advantages of using friend function ? Explain with example. 9
 - Differentiate between Friend function and member function. 6

SECTION – C

- What is Inheritance ? Explain various form of Inheritance with example. 10
 - Explain concept of 'this' pointer in C++. 5

7. What do you mean by operator overloading ? Discuss various rules in operator overloading. Also write a program in C++ to overload binary operator. 15

SECTION – D

8. What do you mean by virtual function ? What is the need of virtual function write a program in C++ to show functioning of virtual functions. 15
9. (a) What is Exception Handling ? What are the advantages of using Exception Handling mechanism in a program. 10
- (b) Write short note on Pure Virtual Function. 5
-

<https://www.mdustudy.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से