

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Question Paper Code : 31232**

15.5.13

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2013.

Fifth Semester

Electrical and Electronics Engineering

080280041 — OBJECT ORIENTED PROGRAMMING

(Common to 080230004 A – Object Oriented Programming for B.E. (Part-Time)  
Third Semester Electrical and Electronics Engineering)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. How does a main() function in C++ differ from main() in C?
2. What do you mean by dynamic utilization of variable?
3. What is the significance of empty paranthesis in a function declaration?
4. What is friend function?
5. How many arguments are required in the definition of an overloaded unary operator member function?
6. What is a virtual function?
7. How is Java more secured than other languages?
8. Enumerate the rules for creating identifiers in Java.
9. How does Java handle strings?
10. What is the major difference between an interface and a class?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Describe with an example, the uses of enumerated data types. (8)  
(ii) What does this pointer point to? Explain with an example. (8)

Or

- (b) (i) List the merits and demerits of OO methodology. (8)  
(ii) How does a C++ type string differ from a C type string? Explain. (8)
12. (a) (i) Explain function overloading with an example. (8)  
(ii) Describe the mechanism of accessing data members and member functions in the following cases :
- (1) Inside the main program  
(2) Inside a member function. (8)

Or

- (b) (i) Explain having multiple constructors in a class. (8)  
(ii) Describe destructor with an example. (8)
13. (a) (i) What is a conversion function? How it is created? Explain its syntax. (8)  
(ii) Create a class FLOAT that contains one float data member Overload all the four arithmetic operators so that they operate on the objects of FLOAT. (8)

Or

- (b) (i) Describe how an object of a class that contains objects of other classes created. (8)  
(ii) Describe the different ways by which the public member function can be accessed. (8)

14. (a) Describe the various data types used in Java. Give examples. (16)

Or

(b) Describe different forms of inheritance with example. (16)

15. (a) Give an example where interface can be used to support multiple inheritances. Develop a stand alone Java program for the example. (16)

Or

(b) Explain how to design a Java package with an example. (16)