Roll No. | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(Electronics & Electrical) (2011 Onwards EL-I) (Sem.–6)

OBJECT ORIENTED PROGRAMMING

Subject Code : BTEEE-603C

M.Code : 71139

Time : 3 Hrs. Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. Answer briefly :

i. What are the different data types in C?

ii. List five reserved words in C.

iii. What is data encapsulation?

iv. How does a main() function in C++ differ from main() in C?

v. Describe the importance of destructors.

vi. What is dynamic initialization of objects?

vii. What is an abstract class?

viii. When do we make a class virtual?

ix. Why it is necessary to include the file iostream in all our programs?

x. What is a generic function?

SECTION-B

2. Write a C++ program to read a file name and display the content of file on screen.

3. How is object oriented programming different from procedure oriented programming?

4. What is a class? How does it accomplish data hiding?

5. Explain Generic Function with an example.

6. Discuss error handling during file operation.

SECTION-C

7. Describe the syntax of single inheritance and multiple inheritances in C++.

8. Explain default constructor with a C++ example program.

9. What is runtime polymorphism? How virtual functions can be used to implement the runtime polymorphism? Explain with an example.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.