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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(Electronics &amp; 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.**

