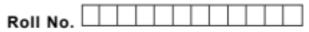


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Total No. of Pages : 02

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# B.Tech.(Electronics Engineering/Electrical & Electronics) (E-1 2012 Onwards) (Sem.-6) OBJECT ORIENTED PROGRAMMING Subject Code : BTEEE-603C M.Code : 72844

Time : 3 Hrs.

Max. Marks : 60

#### INSTRUCTIONS TO CANDIDATES :

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

# SECTION-A

- 1. Answer briefly :
  - a. Differentiate between type conversion and type casting.
  - b. What is a static data member?
  - c. What is meant by Overloading Operators?
  - d. What do you understand by memory leaks?
  - e. What is an Abstract class?
  - f. What is Function Template?
  - g. List the syntax of any two functions used to display output to the user in C++.
  - h. What are the differences between sequential and random access files?
  - i. What is an Uncaught Exception?
  - j. What are C++ streams?

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#### SECTION-B

- 2 Write a program to find whether a given number is prime or not using a function.
- Explain the concept of Function Overloading and Function Overriding with the help of 3. examples.
- What is a constructor? Differentiate between Default and Parameterized Constructors 4. with the help of examples.
- 5. Explain the concept of Virtual and Pure Virtual Functions with the help of examples.
- 6. What is Dynamic Memory Allocation? Explain with the help of an example how to create and destroy objects dynamically.

# SECTION-C

7. Explain in detail the different features of Object Oriented Programming.

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- What is polymorphism? Explain in detail the different methods of implementing 8. polymorphism in C++.
- Write the different steps involved in processing a file. Write a program to write 9 characters onto a file and to read characters from a file. www.Firstf

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.

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