

**II B. Tech I Semester Supplementary Examinations, May/June - 2016**  
**OBJECT ORIENTED PROGRAMMING THROUGH C ++**  
(Com. to CSE, IT)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)  
2. Answer **ALL** the question in **Part-A**  
3. Answer any **THREE** Questions from **Part-B**

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**PART -A**

1. a) List the flags without bit fields with their working (4M)
- b) What is the use of Inline function (3M)
- c) Differentiate between object and variable (3M)
- d) What are nested and qualifier classes (4M)
- e) What is binding? Define static and dynamic binding (4M)
- f) Explain the guide lines for defining template (4M)

**PART -B**

2. a) What are the drawbacks of monolithic, procedural and structural programming languages (8M)
- b) Write a C++ program to enter text upto 100 characters through the keyword. Ignore symbols and replace them with \*. Display dot in between two words (8M)
3. a) Write a C++ program to find whether the given number is a palindrome or not (8M)
- b) Explain about the different types of operators are used in C++ (8M)
4. a) Write a C++ program to declare friend function in two classes. Calculate the sum of integers of both the classes using friend sum( ) function (8M)
- b) Explain about the static member variables and functions (8M)
5. a) What are the characteristics of constructors and destructors (8M)
- b) Write a C++ program to overload unary operator in complex numbers by using friend function (8M)
6. a) What is polymorphism? How is it achieved at compile time and runtime? Explain both with the help of example (8M)
- b) Write a C++ program to create a bank account with personal details (name, address) in the base class, savings bank account details (account number, balance) with credit and debit facilities in one of the derived class and the current account details of the same person (number, credit limit) along with credit and debit facilities in another class (8M)
7. a) Explain the key words that are used in exception handling technique (6M)
- b) Write a C++ program to create a text file. Add and modify records in the text file. The record should contain name, age, salary of the employee (10M)

