B. Sc. (With Credits)-Regular-Semester 2012 Sem. - III

B. Sc.23142 Computer Science Paper - II (Object Oriented Programming With C++)

P. Pages : 4

Time : Three Hours   Max. Marks : 50

Notes :   1. All questions are compulsory and carry equal marks.

Either

1. a) Explain the concept of default argument with suitable example.   **5**

b) Write a C++ program that will accept temperature in celsius and display it in Fahrenheit.   **5**

OR

c) Explain any three features of object oriented programming supported by C++.   **5**

d) What is ternary operator ? Write a program in C++ to find largest of three numbers using ternary operator.   **5**

2. Either

a) What are objects ? How are they created ? Distinguish between an object and a class.   **5**

b) Explain nesting of members function with suitable example.   **5**

OR

c) What are static data members and explain any two characteristics of static data members.   **5**

d) Explain the array within class with suitable example.   **5**

3. Either

a) What is operator function ? Describe the syntax of an operator function.   **5**

b) What is default constructor ? Give its syntax.   **5**

OR

c) What are the different form of inheritance ? Give an example for each. **5**

d) Explain copy constructor with suitable example. **5**

4. Either

a) What are file modes ? Describe various file mode option available. **5**

b) Explain pointer to object. Write a program to illustrate it. **5**

OR

c) Differentiate between pointers and references. Explain how following expressions will be evaluated
$*p++$ and $++*p$. **5**

d) What is a file pointer ? Explain getc( ) and putc ( ) function. **5**

5. Attempt all the questions.

a) Explain the limitations of inline function. **2½**

b) Differentiate between private and public class specifier. **2½**

c) List the properties of constructor. **2½**

d) What does the term $**j$ means. **2½**

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