

B.Sc. (With Credits)-Regular-Semester 2012 Sem. III
B.Sc.23142 - Computer Science-II : Paper-II
(Object Oriented Programming With C++)

P. Pages : 2

Time : Three Hours



GUG/W/16/3335

Max. Marks : 50

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- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw neat and labelled diagram wherever necessary.

1. Either :

- a) Write a function to find the largest value of an array size n and return the location of value to parent (reference) function if found, otherwise return NULL. 5
- b) Discuss the limitations of inline functions. 5

OR

- c) Explain the function overloading for addition of 2 Nos. with the combination of real and integer data types. 5
- d) Explain the return by reference with suitable example. 5

2. Either :

- a) Explain the memory allocation for objects using suitable example. 5
- b) Write a program to implement class of 10 STUDENT having following members. 5
 - i) Data members : Name of student marks in two subjects.
 - ii) Member functions : To assign the values to display the 10 student data.

OR

- c) Discuss the any two characteristics of object oriented programming. 5
- d) Write a program to n terms of a fibonacci series 1, 1, 2, 3, 5, 8, 13, 21, 34, using static data member for generating the series term values. 5

3. Either :

- a) Discuss the unary operator overloading with suitable example. 5
- b) Explain the derived class with suitable example. 5

OR

- c) Explain the constructors with default arguments. 5
- d) Define operator overloading. List rules for operator overloading. 5

- 4. Either :**
- a) Explain & and * operators explain how following expressions will be evaluated
*p++ and ++*p. **5**
 - b) Write a note on open () function in file handling. **5**
- OR**
- c) Explain the friend function with suitable example. **5**
 - d) Describe the various approaches by which we can detect the end – of – file condition successfully. **5**
- 5. Attempt all the questions.**
- a) Write a note on Insertion or put to operator. **2½**
 - b) List the name of class specifier and explain any one of them. **2½**
 - c) Describe the importance of Destructors. **2½**
 - d) Discuss the applications of this pointer. **2½**
