

B.Sc. (IT) - II (Old) Sem-III  
**BSCIT231 - Paper-I : Object Oriented Programming with C++**

P. Pages : 1

Time : Three Hours



**GUG/W/19/1435**

Max. Marks : 80

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- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagram and use supporting data wherever necessary.
  3. Avoid vague answers and write specific answers related to questions.

1. a) What is function? Explain function prototyping with the help of example. 8  
b) What do you mean by Default and Const arguments? Explain. 8

**OR**

  
c) What is inline function? Explain it with the help of example. 8  
d) What do you mean by call and Return by References. 8
  
2. a) What is Object Oriented Programming? Explain its characteristics in detail. 8  
b) What do you mean by object as function arguments? Explain with example. 8

**OR**

  
c) What do you mean by Private and Public member functions. 8  
d) Explain Static Data Members and Member function with the help of example. 8
  
3. a) What do you mean by constructor? Explain it with example. 8  
b) Describe the constructors with default argument with the help of example. 8

**OR**

  
c) What do you mean by Derived class? Explain it with the help of example. 8  
d) What is operator overloading? Explain the rules for operator overloading. 8
  
4. a) What do you mean by pointer? Explain pointer to objects with example. 8  
b) What do you mean by Error handling during file operations? Explain. 8

**OR**

  
c) What do you mean by virtual function? Explain with the example. 8  
d) What is command line arguments? Explain with the help of suitable example. 8
  
5. Solve all the questions.  
a) What are the control and Looping statements? Explain it with suitable example. 4  
b) Define Inline member function with the help of example. 4  
c) What is Dynamic constructor? Explain with suitable example. 4  
d) Explain 'this' pointer with suitable example. 4

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