UBCAT404 - Paper-IV : Object Oriented Programming Using C++

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

Either:

1. a) What are Data types? Explain in detail. **4**

b) What do you mean by function overloading? Explain rules for function overloading. **4**

OR

c) What is need of looping statements. Explain any two looping statements. **4**

d) Explain: **4**

i) Relational operators

ii) Logical operators

Either:

2. a) What are the major characteristic of OOP's? Explain in detail. **4**

b) Explain private and public data members and member function. **4**

OR

c) Design a class employee with appropriate members. Demonstrate array of objects. **4**

d) What are inline member function? Explain features of inline function. **4**

Either:

3. a) What is constructors? Explain any two types. **4**

b) Define inheritance and explain how to define derived classes. **4**

OR

c) Write a program to overload binary operator '+' for complex class. **4**

d) Describe Destructors by giving suitable example. **4**

Either:

4. a) Explain 'new' and 'delete' operator with example. **4**

b) Write a program to demonstrate friend functions. **4**

OR

c) List the file modes and explain them in detail. **4**

d) Explain command line arguments in details by giving suitable example. **4**

5. Attempt **all** the questions.

a) Explain exit( ) function in details. **2**

b) Give the difference between procedural programming and OOP programming. **2**

c) Define operator overloading in brief. **2**

d) Describe painter object in brief. **2**

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