

C.U.SHAH UNIVERSITY

Wadhwan City

Subject Code : 5CS02OOP1

Summer Examination-2014

Date: 16/06/2014

Subject Name: Object Oriented Concepts and C++ Programming

Branch/Semester:- M.Sc(Information Technology)/II

Time:02:00 To 5:00

Examination: Regular

Instructions:-

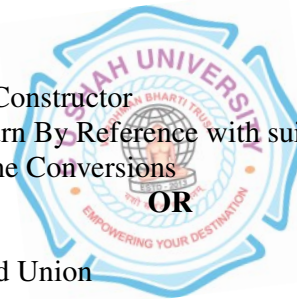
- (1) Attempt all Questions of both sections in same answer book / Supplementary
- (2) Use of Programmable calculator & any other electronic instrument is prohibited.
- (3) Instructions written on main answer Book are strictly to be obeyed.
- (4) Draw neat diagrams & figures (If necessary) at right places
- (5) Assume suitable & Perfect data if needed

SECTION-I**Q.1 Attempt the Following Questions :****(07)**

- (1) What is an Inheritance ?
- (2) Define constructor
- (3) What is Template?
- (4) Write down any three features of OOP
- (5) Define Class, Object with an example
- (6) What is Operator Overloading?
- (7) Define Destructor

Q.2 Attempt the Following Questions :**(14)**

- (1) Describe Explicit & Parameterized Constructor 05
- (2) Explain Call By Reference and Return By Reference with suitable example 05
- (3) Explain any three types of user define Conversions 04

**Q.2 Attempt the Following Questions :****(14)**

- (1) Difference between Struct, Class and Union 05
- (2) Explain Unary and Binary Operator 05
- (3) Explain Function Template with an example 04

Q.3 Attempt the Following Questions :**(14)**

- (1) Explain Derivation of Scope of Access Specifier, Based and Derived Class Visibility and Member Function's Accessibility within Table Format
- (2) Explain the local Classes and Assigning Objects of it with an example

OR**Q.3 Attempt the Following Questions :****(14)**

- (1) Explain any three types of inheritance with suitable example
- (2) Describe Inline Function and Friend Function with suitable example

SECTION-II**Q.4 Attempt the Following Questions :****(07)**

- (1) Define Function Prototyping
- (2) What is Virtual function ?
- (3) Differentiate Terminate and Unexpected functions
- (4) Why IO is Special ?
- (5) Define Function Overloading
- (6) Define: Polymorphism
- (7) What is I/O streams?



- Q.5 Attempt the Following Questions :** (14)
- (1) Explain rethrowing exception 05
 - (2) Describe the Compatibility of derived Class & base class pointer 05
 - (3) Explain also pure virtual function with suitable example 04

OR

- Q.5 Attempt the Following Questions :** (14)
- (1) Explain Polymorphism with syntax and example. 05
 - (2) Explain Text Streams and Binary Streams 05
 - (3) Describe components of exception handling 04

- Q.6 Attempt the Following Questions :** (14)
- (1) Write a note on Compile Time & Run Time Polymorphism with an example
 - (2) Describe formatting using ios members

OR

- Q.6 Attempt the Following Questions :** (14)
- (1) Explain manipulators with create own manipulators
 - (2) Define Dealing with Text file and Binary file with an example

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