



V.P. & R.P.T.P. SCIENCE COLLEGE
T.Y.B.Sc. (COMPUTER SCIENCE) : SEMESTER – V
US05CCSC01 : Object Oriented Programming Using C++

Date: 29/09/2018, Saturday Time: 10:00am to 12:00noon Max.Marks: 50

Q.1	<p>Multiple choice of Question:</p> <ol style="list-style-type: none"> 1. A _____ is a collection of objects of similar type. A. Data B. Object C. Class D. Function 2. _____ means that the code associated with a given procedure call at run time. A. Static binding B. Dynamic binding C. Early binding D. None 3. For string manipulation _____ header file is included. A. iostream.h b. ctype.h C. string.h D. conio.h 4. Object without name is known as _____. A. nameless object B. live object C. constant object D. default object 5. Defining a function with same prototype in base class & derived class is known as _____. A. inheritance B. function overriding C. function overloading D. None 6. Which of the following is a valid function prototype in C++? A. int sum(int a, int b, int c = 0) B. int sum(int a = 0, int b, int c) C. int sum(int a, int b = 0, int c) D. int sum(int a = 0, int b, int c = 0) 7. Which of the following declarations are illegal? A. void *ptr B. char *str1 = "xyz" C. char str2 = "abc" D. const *int p1 8. Which one of the following operators can be overloaded? A. :: B. New C. .* D. sizeof 	08
Q.2	<p>Answer the following questions in short(Any 5) :</p> <ol style="list-style-type: none"> 1. Define encapsulation as concept of OOP. 2. List out any four header file in C++. 3. Explain cout in C++ with example. 4. Explain cin in C++ with example. 5. Discuss default arguments briefly. 6. What is inline function? Give an example of it. 7. What is Operator Overloading? 8. What are input and output stream? 	10
Q.3	<p>Differentiate OOP & POP.</p> <p style="text-align: center;">OR</p>	08
Q.3	<p>Explain different data type available in C++.</p>	08
Q.4	<p>Explain constructor overloading with suitable example.</p> <p style="text-align: center;">OR</p>	08
Q.4	<p>A. Explain Copy constructor with example. B. Explain live objects with proper example.</p>	04 04
Q.5	<p>Explain multiple & multilevel inheritance with suitable example.</p> <p style="text-align: center;">OR</p>	08
Q.5	<p>Explain the concept of friend function with suitable example.</p>	08
Q.6	<p>Explain binary operator overloading using friend function. Give example.</p> <p style="text-align: center;">OR</p>	08
Q.6	<p>Explain unary operator overloading with example.</p>	08