

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

0	2	9	2
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Exam. Code :

0	0	0	3
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B.A./B.Sc. (General) 3rd Semester
(2122)

COMPUTER SCIENCE

Paper : CS06 Theory-B Object Oriented Programming
Using (C++)

Time Allowed : Three Hours] [Maximum Marks : 30

Note :— Attempt FIVE questions in all, including Question No. 9 (Section-E) which is compulsory and selecting ONE question each from Sections A-D.

SECTION—A

- (a) Discuss various methods of passing the arguments to a function.
(b) Define Inheritance. Describe this concept in object oriented programming using suitable example. 3+3
- What is array ? Differentiate between 1-D and 2-D array. Write a program to print the following table :

Roll No.	Name	Subject	Marks
1410	Raman	Physics	50
1415	Aman	Chemistry	55
1420	Kamal	Math	60

6

SECTION—B

3. (a) Discuss the purpose of a private member function in C++.
- (b) Discuss various properties of a static member function with suitable example. 3+3
4. Describe at least four types of member functions in C++ using suitable example. 6

SECTION—C

5. Differentiate between constructor and destructor in C++. 6
6. (a) Describe the role of multilevel inheritance in C++ with suitable example.
- (b) What do you mean by nesting ? How do you nest a class within another ? Describe. 3+3

SECTION—D

7. Differentiate between function overloading and operator overloading in C++. 6
8. Describe various characteristics of a virtual function. 6

SECTION—E

9. Explain the following keywords/functions/terms in C++ :

(a) extern

(b) ::

(c) Data hiding

(d) return

(e) ofstream

(f) bool.

6×1=6