

Program: F.Y.B.Sc CS Semester: II Program Code: UGCS02
 Course: Object Oriented Programming Course Code: NUCS202
 Duration: 1 Hour Examination Pattern: NEP-Autonomous - External Max. Marks: 30

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Draw neat diagrams wherever necessary.

Examination:
REGULAR

Q. 1	Attempt any TWO of the following.	[10]	Course Outcome	Knowledge Level
(a)	What is variable? List rules for naming variables.		CO3	L1, L2
(b)	Define class. Explain the general form of class declaration with example.		CO1	L1, L2
(c)	Develop a C++ program using switch to display day of week.		CO4, CO5	L6
(d)	How does a for loop work? Write its syntax and give an example.		CO3	L2
Q. 2	Attempt any TWO of the following.	[10]	Course Outcome	Knowledge Level
(a)	What is inheritance? Explain any four types of inheritance with a suitable diagram.		CO1	L1, L2
(b)	Explain the use of open() function of file handling in C++. Name file opening modes in C++.		CO1, CO3	L1, L2
(c)	Write a note on the friend function in inheritance.		CO1	L2
(d)	Develop a C++ program to swap two numbers using pointers.		CO4, CO5	L6
Q. 3	Attempt any TWO of the following.	[10]	Course Outcome	Knowledge Level
(a)	Design an Employee class for reading and displaying the employee information, the getInfo() and dispInfo() are member functions will be used respectively.		CO4, CO5	L6
(b)	Develop a C++ program to add two different data types using add function using function overloading.		CO4, CO5	L6
(c)	Explain the basic data types in C++.		CO3	L2
(d)	Explain the use of access specifiers in C++.		CO1	L2

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