

SET A

DCSE, AU, Chennai – 25

LAB TEST-1I

CS3201 – Object Oriented Programming

B.E. CSE - II Sem Date: 03-6-2024 Duration: 1 hr. Max. Marks – 15

1. Create two sets ODDSET and EVENSET which gets a number check whether it is even or odd and store it in the appropriate sets and display the same, from which derive SET1 which includes elements which are present in both the sets and display the same. Similarly, create two more sets PRIMESET and NONPRIMESET which gets a number check whether it is prime or not and store it in the appropriate sets and display the same, from which derive SET2 which includes elements which are present in both the sets and display the same. Compare the equality of two sets (SET1 and SET2) by writing overloaded nonmember function. Write the necessary member functions and also a main function to test the above operations.

Operation	Correct output	Incorrect output with logic/error with logic	Not coded/error without logic	Marks
ODDSET(1.5)				
EVENSET(1.5)				
SET1(2)				
PRIMESET (1.5)				
NONPRIMESET(1.5)				
SET1(2)				
Comparison and main() (5)				