

SET B

DCSE, AU, Chennai – 25

LAB TEST-II

CS3201 – Object Oriented Programming

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

- 1) Create two string classes `STRING1` and `STRING2` which initialize set of characters as members and display the same. Use dynamic initialization for string initialization. Derive `SUBSTRING` from the two string classes, which includes subtracted characters obtained by removing the characters of `STRING2` from `STRING1` and display the same. Similarly, create two more classes `STRING3` and `STRING4` which also initialize set of characters as members and display the same, from which derive `CONCATENATED` class which concatenates the characters of two string classes (`STRING3` and `STRING4`) and display the same. Compare the equality of two classes (`SUBSTRING` and `CONCATENATED`) 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
<code>STRING1(1.5)</code>				
<code>STRING2(1.5)</code>				
<code>SUBSTRING (2)</code>				
<code>STRING3(1.5)</code>				
<code>STRING4(1.5)</code>				
<code>CONCATENATED(2)</code>				
<code>Comparison and main() (5)</code>				

