

Name: _____

Semester: _____

Final Lab – Paper B

Object Oriented Programming

Note:

- Total time allowed is 100 minutes.
- You may choose to solve any 3 Questions from Question # 1 to Question # 5.
- Please implement an appropriate program to justify your answer and attach the screen short of the output. You may consider writing few lines to explain the result.
- Question # 6 is compulsory. You may choose to explain your contribution in the project and leave the rest of the code.
- This is an open book exam.

1) which member can never be accessed by inherited classes? Implement appropriate program to justify your answer.

- a) Private member function.
- b) Public member function.
- c) Protected member function.
- d) All can be accessed.

2) A private function of a derived class can be accessed by the parent class.
? Implement appropriate program to justify your answer.

- a) True
- b) False

3) Which error will be produced if private members are accessed? Implement appropriate program to justify your answer.

- a) Can't access private message
- b) Code unreachable
- c) Core dumped
- d) Bad code

4) Can main() function be made private? Implement appropriate program to justify your answer.

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- a) Yes, always
- b) Yes, if program doesn't contain any classes
- c) No, because main function is user defined
- d) No, never

5) A copy constructor is called? Implement appropriate program to justify your answer.

- a) when an object is returned by value
- b) when an object is passed by value as an argument
- c) when compiler generates a temporary object
- d) all the above

6) Write a comprehensive report on your project. Attach the output of your code and explain its working. You can elaborate the purpose of creating classes , various objects and variables and other concepts used in implementation of the project.