CSE 470 - Software Engineering

QUIZ 4 - Summer 2023

SET A

Time: 30mins

Marks:10

NAME -

ID -

[CO3]

1. Consider the following scenarios. In each case state and explain which design patterns should be used. [3\*2 = 6]
2. You are designing a logging system for a software application. Each log entry needs to be recorded in a central log file. You need to ensure that there's only one instance of the logging class across the entire application.
3. Your team is tasked with integrating a new payment gateway into an existing e-commerce platform. However, the new payment gateway's interface doesn't match the existing payment processing interface.
4. You are developing a weather monitoring application that displays real-time weather conditions on various devices. When the weather changes, all connected devices need to be updated immediately.

[C04]

2. What is Unit Testing? State two features of Stress Testing. [2 marks]

3. Write three differences between White and Black Box Testing. [3 marks]