CSE321
Home Quiz 1
Total Marks: 15
Deadline: 30 January (During Class Time)

Note: Hardcopies should be submitted, softcopies not allowed. Deadline is fixed. It will not be extended. There will be no make up of take home quizzes.

Name:
ID:
Section:

Answer all the questions below.

Q1 [2 marks]: Before playing a game you have updated your graphics driver and adjusted the screen resolution from settings. Then you have launched the game and started recording the screen using a third party recorder. Specify what types of softwares you have used here. Relate them with proper logic.

Q2 [1.5 marks]: Briefly explain about kernel and its necessity.

Q3 [2 marks]: Explain logically why main memory is typically volatile?

Q4 [1.5 marks]: Explain how modern OS are interrupt driven?

Q5 [3 marks]: In a doctor's chamber potential patients need to follow 2 steps in order to consult the doctor. First, they have to take a serial over the phone. If they get serials then the first 20 patients of the serial get called for the consultation. After getting called, patients need to maintain a queue of 5 pupils according to their serials and others need to wait. Once a patient gets called by the doctor, a patient from waiting can join in the queue according to the serial. Logically explain which functions from operating systems structure have similarities with the above scenario?

Q6 [2.5 marks]: Differentiate between multiprocessor and clustered systems.

Q7 [2.5 marks]: Differentiate between monolithic and microkernel structures.