

## **Solution to COMP9334 Revision Question Week2A – Part 1**

### **Question 10**

We know that the system response time + think time = number of terminals / system throughput. The system throughput can be derived from the service demand law. The service demand is  $4 * 30\text{ms} = 120\text{ms}$ . The system throughput equals to utilisation of the device / service demand =  $0.6 / 0.12 = 5$  user interaction per second. Therefore the system response time is 5s.