

# Homework 1



Est. Length: 3:00:00

Sharar Mahmood: Attempt 1

Page 1:

1 ✓	2 ✓	3 ✓
4 ✓	5 ✓	6 ✓
7 ✓	8 ✓	9 ✓
10 ✓	11 ✓	12 ✓
13 ✓	14 ✓	15 ✓
16 ✓	17 ✓	18 ✓
19 ✓	20 ✓	21 ✓
22 ✓	23 ✓	24 ✓
25 ✓	26 ✓	27 ✓
28 ✓	29 ✓	30 ✓
31 ✓	32 ✓	33 ✓
34 ✓	35 ✓	36 ✓

☒ Throughput

☐ CPU utilization

☐ Response time

Question 7 (2 points) ✓ Saved

What statement concerning privileged instructions is considered false?

☒ They cannot be attempted from user mode.

☐ They can only be executed in kernel mode.

☐ They may cause harm to the system.

☐ They change processor modes from kernel to user

Question 8 (2 points) ✓ Saved

Which symbol denotes a pipe in Linux?

☐ >

☐ ^

☒ |

☐ <

Question 9 (2 points) ✓ Saved

System calls are said to be expensive because?

☒ they require transition between the user and kernel modes

☐ they include library calls

☐ computer centers charge a fee for each system call

☐ None of the above

**Question 10 (2 points)** ✓ *Saved*

The \_\_\_\_\_ model maps many user-level threads to one kernel thread.

☒ many-to-one

☐ many-to-many

☐ one-to-one

☐ two-level

**Part II. True or False**

**Question 11 (2 points)** ✓ *Saved*

A system call is triggered by hardware.

☐ True

☒ False

**Question 12 (2 points)** ✓ *Saved*

There is no universally accepted definition of an operating system.

☒ True

☐ False

**Question 13 (2 points)** ✓ *Saved*

In RR scheduling, the time quantum should be small with respect to the context-switch time.

☒ True

☐ False

**Question 14 (2 points)** ✓ *Saved*