## Dashboard / My courses / COSC3360SP2023-01 / PRACTICE EXAM 1 / Theory Part (PE1)

Started on	Wednesday, 15 February 2023, 1:51 PM
State	Finished
Completed on	Wednesday, 15 February 2023, 1:52 PM
Time taken	1 min 23 secs
Grade	<b>50.00</b> out of 50.00 ( <b>100</b> %)
Information	

## After the theory part, two programming questions will be presented.

## True or False questions (on Exam 1 you will get more questions of this type)

Question 1
Correct
Mark 10.00 out of 10.00
In a priority scheme to handle multiple interrupts, the system disables the interrupts while an interrupt is being processed.
Select one:
○ True
False   ✓
The correct answer is 'False'.
Information

## Simple Choice questions (on Exam 1 you will get more questions of this type)

Question 2		
Correct Mark 40.00 aut of 40.00		
Mark 10.00 out of 10.00		
Select the element that is not part of the process control block:		
O a. PID		
○ b. Priority		
○ c. State		
e. None of the above		
The correct answer is:		
Program code		
Information		
Calculate the average access time to read a word from memory for the following two-level memory system.		
Level 1 memory access time = 50 ms		
Level 2 memory access time = 400 ms		
Failure ratio = 20%		
Time to find a word in any level of the memory (0 ms). (15 points).		
Question 3		
Correct		
Mark 10.00 out of 10.00		
Average access time =		
Answer: ☐ 130 ✓		
The correct answer is: 130		

Information

Calculate the following parameters of a hypothetical computer system with these features:

- a) Octal notation;
- b) IR = OPCode + Mem Addr;
- c) IR = 12 bits;
- d) PC = 3 octal digits; and
- e) Mem word size = Data (unsigned integer) = IR. (15 points)

Question 4
Correct
Mark 5.00 out of 5.00
Number of different OPCodes:
Answer: 8 ✓
The correct answer is: 8
Question 5
Correct
Mark 5.00 out of 5.00
Mem size in bits:

The correct answer is: 6144

6144

Answer:

000 - 777

000 - FFF 0000 - 7777 000 - F77

The correct answer is:

Mem range: [000 - 777]

Question 7

Correct

Mark 5.00 out of 5.00

Data range: 0000 - 7777

0000 - FFFF 000 - 777 0 -7

The correct answer is:

Data range: [0000 - 7777]

■ Programming Assignment 1

Jump to...

Programming Question 1 ▶

4/4