SU1 Memo - SU1 Memo

Operating Systems (North-West University)

Tests & Assignments

LE1 / SU1

Part 1 of 4 - 10.0 / 10.0 Points

Question 1 of 5 2.0   2.0 Points

In die _____-metode om die werking van die CPU met 'n I/O-toestel te sinchroniseer, is die CPU in werking totdat die I/O-bewerking voltooi is.

In the _____ method for synchronizing the operation of the CPU with an I/O device, the CPU is idle until the I/O operation is finished.

- ✔   A. onderbrekingsgedrewe I/O

    interrupt-driven I/O

- ✔   B. DMA

- ✔   C. geprogrammeerde I/O

    programmed I/O

- ✔   D. geïsoleerde I/O

    isolated I/O

Answer Key: C

Question 2 of 5 2.0   2.0 Points

'n _____ is 'n stoortoestel waarop die gebruiker slegs een keer inligting kan skryf.

A _____ is a storage device to which the user can write information only once.

- ✔ A. CD-R
- ✔ B. CD-RW
- ✔ C. CD-RR
- ✔ D. CD-ROM

Answer Key: A

Die data in _____ word uitgevee as die rekenaar afgeskakel word.

The data in _____ is erased if the computer is powered down.

- ✔ A. RAM
- ✔ B. ROM
- ✔ C. 'n CD-ROM

  a CD-ROM

- ✔ D. 'n bandskyf

  a tape drive

Answer Key: A

Daar is _____ bisse in 27 Grepe.

There are _____ bits in 27 Bytes.

- ✔   A. 256
- ✔   B. 244
- ✔   C. 216
- ✔   D. 240

Answer Key: C

Die drie stappe in die bestuur van 'n program op 'n rekenaar word uitgevoer in die spesifieke volgorde _____.

The three steps in the running of a program on a computer are performed in the specific order _____.

- ✔   A. dekodeer, uitvoer en haal

    decode, execute, and fetch

- ✔   B. haal, uitvoer en dekodeer

    fetch, execute, and decode

- ✔   C. dekodeer, haal en uitvoer

    decode, fetch, and execute

- ✔ D. haal, dekodeer en uitvoer

  fetch, decode, and execute

Answer Key: D

Part 2 of 4 - Waar/Vals 9.0 / 10.0 Points

Question 1 of 10 1.0   1.0 Points
Die Win32 API word uitsluitlik gebruik om stelseloproepe te maak

The Win32 API is used to make system calls exclusively

    True
✔   False

Answer Key: False

Question 2 of 10 1.0   1.0 Points
Bedryfstelsels word dikwels in C geskryf

Operating systems are often written in C

✔   True
    False

Answer Key: True

Question 3 of 10 0.0   1.0 Points

Bedryfstelsels wat mikrokerne gebruik, bevat 'n aantal klein kerne wat elkeen verantwoordelik is vir een funksie

Operating systems that use microkernels have a number of small kernels, each responsible for one function

✖   True

         False

Answer Key: False

Question 4 of 10 1.0   1.0 Points
'n Bedryfstelsel bied 'n skoon koppelvlak tot die hardeware

An OS provides a clean interface to the hardware

✔   True

         False

Answer Key: True

Question 5 of 10 1.0   1.0 Points
Gebruikersruimteprogramme het soms kerntoegang

User space programs do sometimes have kernel access

✔   True

         False

Answer Key: False

Question 6 of 10 1.0   1.0 Points
'n Pyplyn is 'n versameling CPU-instruksies wat opeenvolgend uitgevoer word, sodat meer as een instruksie gelyktydig uitgevoer kan word.

A pipeline is a collection of CPU instructions that execute consecutively, so that more than one instruction can be executed at the same time.

✔ True
False

Answer Key: True

Question 7 of 10 1.0   1.0 Points
'n Shell is 'n teksgebaseerde koppelvlak wat 'n soortgelyke funksie as 'n GUI verrig

A shell is a text based interface that performs a similar function to a GUI

✔ True
False

Answer Key: True

Question 8 of 10 1.0   1.0 Points
DMI is 'n bus wat die noordbrug en suidbrug verbind

DMI is a bus that connects the northbridge and southbridge

✔ True
False

Answer Key: True

Question 9 of 10 1.0   1.0 Points
'n CPU kan gebruikersruimteregisters hê waarvan die bedryfstelsel nie weet nie

A CPU can have user space registers that the OS does not know about

True
✔ False

Answer Key: False

'n Bedryfstelsel hoef nie hulpbronbestuur te doen nie, aangesien gebruikersruimte programme perfek geskik is om hul eie hulpbronne te bestuur

An OS does not have to do resource management, as user space applications are perfectly suited to manage their own resources
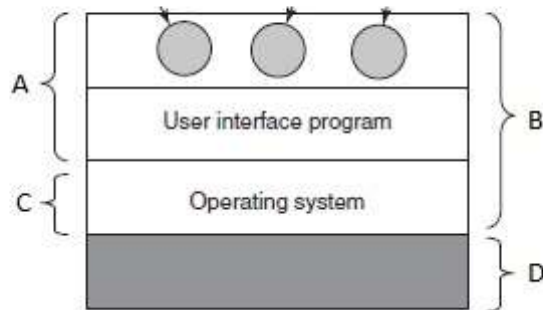
✔   True

      False

Answer Key: False

Part 3 of 4 - Ander **2.0 / 2.0 Points**

Vul die besonderhede vir die aangehegte figuur in. Let daarop dat spelling belangrik is. Antwoord kan in Afrikaans wees.

Fill in the details for the attached image. Note that spelling is important. Answer can be in English

A: ✔<u>User mode</u>

B: ✔<u>Software</u>

C: ✔<u>Kernel mode</u>

D: ✔<u>Hardware</u>

Answer Key: user mode|gebruiker modus|gebruiker mode, software|sagteware, kernel mode|kern modus|kern mode, hardware|hardeware

Part 4 of 4 - **Toepassing** 0.0 / 3.0 Points

Question 1 of 1 0.0   3.0 Points

Watter 2 tipes bedryfstelsels sal mees waarskynlik op 'n tuisrekenaar gevind word?

Which 2 types of operating systems are most likely to be found on a home computer?

Antwoord/Answer:

✖<u>Microsoft Windows</u>

✖<u>macOS</u>

Answer Key: bediener|server|personal computer|PC|persoonlike rekenaar, personal computer|PC|persoonlike rekenaar|bediener|server