**FACULTAD DE INGENIERIA ELECTRICA Y COMPUTACION**

 **Software y Hardware del PC**

**Examen Parcial Diciembre 2010**

**Profesor: Ing. Néstor Arreaga A. Alumno:**

**1.- Indique que es el “form factor” del motherboard, cite por lo menos cuatro ejemplos. (5 Ptos.)**

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**2. – Es peligroso usar una pulsera antiestática, cuando se está trabajando con que componente computacional? (5 Ptos.)**

a) floppy drive b) network card

c) monitor d) hard drive

**3.- Señalar las similitudes y diferencias entre los componentes de la computadora de escritorio y una computadora portátil. (5 Ptos.)**

**4.- Cual de los siguientes es un dispositivo de entrada? (5 Ptos.)**

a) Teclado b) Impresora

c) Parlante d) Unidad de disco

**5.- Cual tipo de dispositivo es hot-swappable? (5 Ptos.)**

a) PS/2 device b) parallel device

c) serial device d) USB device

**6.- Explique las características de los 4 módulos de memórias que existen. (5 Ptos.)**

**7.- Por defecto, cual dispositivo usa IRQ 6? (5 Ptos.)**

 a) floppy disk controller b) LPT1

 c) LPT2 d) real time clock

**8.- Cual es el rango de dirección I/O para el COM1? (5 Ptos.)**

a) 3F8-3FF b) 2F8-2FF

c) 3E8-3EF d) 2E8-2EF

**9.- Cuales voltajes DC son producidos por las Fuentes de poder ATX? (5 Ptos.)**

a) +1.8V, +5V, -5V, +12V, -12V

c) +1.8V, +5V, -5V, +15V, -15V

d) +3.3V, +5V, -5V, +15V, -15V

e) +3.3V, +5V, -5V, +12V, -12V

**10.- Describa el proceso de ensamblar un PC desde su inicio. (9 Ptos.)**

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**11.- Indique y describa cuales son las opciones que aparecen cuando al encender el PC presionamos F8. (5 Ptos.)**

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**12.- Describa las características de los registros de sistema. (5 Ptos.)**



 **13.- Un tecnico esta intentando colocar dos discos duros IDE como maestro-esclavo, en la unidad C y D respectivamente. Pero después de instalarlos estos no trabajan, por lo que los coloco de forma contraria, es decir la unidad C como esclavo de la unidad D y tampoco funciono. Asumiendo que el técnico jampio correctamente los discos duros, que deberías hacer? (5 Ptos.)**

**A.** Replace drive D, because it is now defective.
**B.** Conclude that drives C and D are non-standard.
**C**. Conclude that drives C and D are not compatible.
**D.** Replace drives C and D, because both are now defective.

**14.- Cual utilidad puede ver la estructura jerárquica de archives, carpetas y unidades en una computadora? (5 Ptos.)**

a) File Explorer b) msconfig

c) System Information d) Windows Explorer

**15.- Describa el proceso de arranque de Windows XP. (9 Ptos.)**

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**16.- Describa los diferentes tipos de backup (9 Ptos.)**

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**17.- Que hacen las siguientes herramientas de Software? (8 Ptos.)**

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| **Fdisk** |  |
| **Format** |  |
| **Scandisk** or **Chkdsk** |  |
| **Defrag** |  |
| **Disk Cleanup** |  |
| **Disk Management** |  |
| **System File Checker (SFC)** |  |