SESSION 13

THE INPUT-OUTPUT SYSTEM

OBJETIVES

To know buses concepts.

To know how to improve buses performance.

To know external memories concepts.

To know how hard disks are implemented

To know how CD-ROM and DVD are implemented

To know how magnetic tapes are implemented

PREVIOUS KNOWLEDGE

Deep knowledge of digital electronic. Basic knowledge about I/O devices.

BIBLIOGRAPHY

- Fundamentos de los Computadores. Pedro de Miguel Anasagasti. Thomson-Paraninfo, 9º ed. 2004.

- Estructura y Diseño de Computadores. David. A. Patterson and John L. Hennessy Ed. Reverte 2000.

- Organización y Arquitectura de Computadores. William Stallings. Pearson-Prentice Hall, 2006

TASKS

READINGS

FUNDAMENTOS DE LOS COMPUTADORES (Pedro de Miguel Anasagasti. Thomson-Paraninfo. 2004)
1. Chapter 3. Memories
   a. Magnetic disks (3.5.2)
   b. Optical memories (3.5.3)

ESTRUCTURA Y DISEÑO DE COMPUTADORES (D. A. Patterson and J. L. Hennessy.Ed. Reverte 2000)
1. Chapter 8. Processors and devices interface
   a. Types of I/O devices and their characteristics (8.3)

ORGANIZACIÓN Y ARQUITECTURA DE COMPUTADORES. (W. Stallings. Pearson-Prentice Hall, 2006) a. Chapter 6. External memory

EXERCISES

Download http://atc2.aut.uah.es/~avicente/asignaturas/eoc/pdf/enunciados_t5.pdf some of them will be solved during the classes.