

Course No: **ITGD 4104**
Course Title: **Operating Systems Administration**
Date: **Sunday 13/11/2011**
No. of Questions: **(4)**
Time: **1 Hour**

University of Palestine



Midterm Exam
1st Semester 2011/2012

Instructor: **Dr. Naji Shukri Alzaza**

Student No.: _____

Student Name: _____

College Name: _____

Dept. / Specialist: _____

Total Grade: (20) Marks

ANSWER ALL QUESTIONS

Q1: Identify which statement is True and which is False. Correct the wrong statements. Underline the incorrect term or words. (14 Marks, 1 for each)

1. _____ Physical address allows address spaces to be shared by several processes.
2. _____ Two parts of any program need to be in memory for execution.
3. _____ In operating systems, large virtual memory can be provided on a smaller physical memory.
4. _____ The optimal algorithm idea is “replace page that will not be used for shortest period of time.
5. _____ The information in a file is defined by its creator.
6. _____ Text file is a series of code sections that the loader can bring into memory and execute.
7. _____ Information about files are kept in the directory structure.
8. _____ File is an abstract data type.
9. _____ Efficiency, Naming, and Grouping are three characteristics to organize the directory logically.
10. _____ The function of device driver is controlling the virtual device.
11. _____ Boot control block contains info needed by system to boot OS from that volume.

12. [] Virtual memory, normally, can be implemented via demand paging or demand segmentation.
13. [] For lazy swapper, never swaps a page into memory unless page will be needed.
14. [] During address translation, if valid–invalid bit in page table entry is invalid this cause page swap.

Q2: List 6 of file operations. (*1½ marks, ¼ for each*)

Create, Write, Read, Reposition within file, Delete, Truncate

Q3: Fill up the following blanks. (*2½ marks, ½ for each*)

1. _____ and Direct Access are methods to access file system.
2. File system organized into _____.
3. There are three allocation methods refer to how disk blocks are allocated for files that are _____ allocation, _____ allocation and _____ allocation.

Q4: What is *virtual memory*? Then list *three (3)* characteristics of it. (*2 Marks, ½ for each*)

===== END OF THE QUESTIONS =====

BEST WISHES