Faculty of Computers & Artificial Intelligence
2ˢᵗ Term (2019-2020) Final Exam- 2ⁿᵈ Session
class: 3ʳᵈ year
Course Code: CSW355
Course name: Operating Systems

Benha University
Final Date: 7 / 6 /2020
Total Marks: Pass / Fail
Examiner(s): Dr. R. Orban

Research submission: From 31 May to 7 June 2020

a) Write a research project in ONE of the following topics:

Topic No. 1

Research and write a term paper on an operating system structure, which has a huge impact on the performance and the scope of applications built on it. Previous attempts include the familiar monolithic and micro-kernel operating systems as well as more exotic language-based and virtual machine operating systems. Exokernels proceed from this previous work. An exokernel eliminates the notion that an operating system must provide abstractions upon which to build applications.

Topic No. 2

Research and write a term paper on the progressive structure of the LINUX operating system. The discussion could include the basic Kernel structure, the evolutionary basis for the operating systems current structure, and the upper layer services supplied.

Topic No. 3

Research and write a comparison term paper on the Memory Management (MM) Sub-Systems of Linux and Windows operating systems. Windows is considered to be a very popular operating system for use as a desktop with beginners, and has now evolved into a mature operating system. Also, Linux is chosen because it is growing more and more popular by the day, and seems to have an important place in the future.

b) <u>Notes: please, your research must contain the following elements:</u>

1) Research cover
2) Research name
3) Introduction
4) Literatures review
5) Discussion
6) Conclusion
7) References

GOOD LUCK,

Examiner(s)   **Head of Departement /**
                                                                    Program Coordinator