

**FACULTY OF INFORMATICS**

M.C.A. II - Year II - Semester (Suppl.) Examination, January 2015

**Subject: Unix Programming****Time : 3 Hours****Max. Marks: 80****Note: Answer one question from each unit. All questions carry equal marks.****Unit - I**

- 1 (a) Write notes on Unix shell programming with suitable examples.  
(b) Discuss about aWK command.
- OR**
- 2 (a) Write about Unix file structure.  
(b) What are three levels of security? Explain in detail about chmod command.

**Unit - II**

- 3 (a) What is a Daeman process? Discuss.  
(b) Explain about semaphores and shared memory.
- OR**
- 4 (a) What is signal? Write about signal handling with good example.  
(b) What is inter process communication? Explain about IPC with different methods.

**Unit - III**

- 5 (a) Explain about reserved ports and socket options.  
(b) Write notes on Sockets and signals.
- OR**
- 6 (a) Explain about internet super server.  
(b) Discuss about following advanced socket system calls  
(i) read v ( ), Write v ( )  
(ii) fcntl ( ), ioctl ( )

**Unit - IV**

- 7 (a) Give an overview of PHP and its characteristics with operations and expressions.  
(b) Explain about arrays and functions of PHP with suitable examples.
- OR**
- 8 (a) Discuss in detail about pattern matching in PERL with good examples.  
(b) What are the three categories of perl variable ? Explain about them with good examples.

**Unit - V**

- 9 (a) Discuss about functions and programming using functions in python with examples.  
(b) Briefly explain about errors and exception handling in python.
- OR**
- 10 (a) Discuss in detail about lists, dictionaries and tupuler in python.  
(b) Write about FILES handling in python with example.

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