LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – **COMPUTER SCIENCE**

FIRST SEMESTER – **NOVEMBER 2017**

CS 1826 – LINUX PROGRAMMING

Date: 08-11-2017   Dept. No.   Max. : 100 Marks
Time: 01:00-04:00

Part -A

Answer All the Questions: -   **10x2=20 marks**

1. List out three condition types.
2. What is the default shell in Red hat?
3. List the types of device files.
4. What is the use of: command?
5. What is program argument?
6. What are temporary files?
7. Define the term: pipe.
8. What is process identifier in a process table?
9. List the socket types.
10. Write the host to network ordering byte.

Part -B

Answer all the Questions: -   **5x8=40 marks**

11a). Explain in short about environment variable.

Or

 b) Write about control structures with examples.

12a) Write short notes on low level file access methods.

Or

 b) What is the use of named pipe?

13a). Explain in short about environment variable.

Or

 b) Write about time and date with examples.

14a) Write short notes on file locking.

Or

 b) What is the use of named pipe?

15a) Write short on message queue.

Or

 b) Explain in brief about socket with an example.

Part-C

Answer Any TWO Questions: -   **2x20=40 marks**

16) a) Discuss the conditional statements in linux with suitable examples. (10 marks)
    b) Write about linux file structure in detail. (10 marks)
17) a) Explain the getenv and putenv with suitable examples. (10 marks)
    b) Explain Parent and child process with a suitable example program. (10 marks)
18) a) Explain in detail about semaphore with suitable examples (10 marks)
    b) Discuss about the message queue in detail. (10 marks)

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