Code: 9F00303

MCA III Semester Supplementary Examinations May 2018
LINUX PROGRAMMING
(For 2011 (LC), 2012, 2013, 2014, 2015 & 2016 admitted batches only)

Time: 3 hours   Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks
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1   Give brief description on the different awk operators.

2   Write a shell script to find the factorial of any given number.

3   Distinguish between:
   (a)   getch and getchchar.
   (b)   putc and putcahr.
   (c)   fgets and gets.

4   (a)   What is a process? List and explain the properties of a process.
   (b)   Write short notes on vfork and wait system calls.

5   (a)   Explain about the importance of reliable signals in Linux.
   (b)   With the help of syntax and example, explain kill, raise and pause functions.

6   (a)   Discuss in detail about the role of semaphores in Linux programming.
   (b)   In what way a pipe differs from FIFO? Explain.

7   Why we need threads? Discuss in detail about the POSIX threads.

8   Write short notes on the following:
   (a)   Connection oriented protocols.
   (b)   Sockets.

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