

**Code: 9F00303**

MCA III Semester Regular & Supplementary Examinations November/December 2017

**LINUX PROGRAMMING**

(For 2011,2012, 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 With the help of syntax and examples, explain the different text process utilities supported by Linux.
- 2 (a) Give brief information about the here documents.  
(b) Discuss in detail about the command substitution.
- 3 List and explain the different standard input and output functions supported by Linux operating system.
- 4 (a) Draw and explain the structure of a process.  
(b) Write short notes on the family of exec system call.
- 5 (a) How can we generate the signals and how can we handle them? Explain.  
(b) Write about sleep, kill and pause functions.
- 6 Discuss in detail about the different APIs supported for shared memory.
- 7 (a) What is multithreading? Why we need it? Explain.  
(b) Write and explain the structure of a thread.
- 8 Discuss in detail about the connectionless protocols for socket programming.

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