

Code: 9F00303

MCA III Semester Regular & Supplementary Examinations November 2016

LINUX PROGRAMMING

(For 2011, 2012, 2013, 2014 & 2015 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Discuss the commands used to achieve the files and compress the contents of files in detail.
(b) With help of syntax and example explain the following commands:
(i) cat (ii) rm (iii) cd
- 2 (a) What is a shell script? Write a shell script which works similar to "more" command.
(b) What is a shell script? Write a shell script which works similar to "more" command.
- 3 Distinguish between the following:
(a) getc and getchar.
(b) putc and putchar.
(c) gets and fgets.
(d) mask and umask.
- 4 (a) Draw and explain the structure of a process.
(b) Explain the role of zombie process in linux programming.
- 5 Discuss in detail about the following system calls:
(a) kill.
(b) raise
(c) abort.
(d) sleep.
- 6 How can you achieve inter process communication by using pipes and FIFOs? Explain in detail.
- 7 (a) List the benefits of using multithreaded programming.
(b) What is meant by synchronization? How synchronization is achieved with semaphores?
- 8 Write and explain the steps in connection establishment and termination between client and server.
