Roll No ....

MCADD-705 (1)
M.C.A. (Dual Degree/Integrated Course), VII Semester

Examination, November 2018

Unix and Shell Programming

(Elective - II)

Time : Three Hours

Maximum Marks : 70

Note : i) Attempt any five questions.

ii) Each question carry equal marks.

1. a) Explain Unix Kernel structure architecture.

b) List down advantage and disadvantage of buffer cache.

2. Write down following commands with syntax and appropriate example.

a) Stat and Fstat

b) Change root and change owner

c) Mounting and unmounting files

d) Link and unlink

3. a) What is difference between scheduling process using batch command and using at command?

b) What are the process state in unix? Explain fork ( ) system call.

4. a) How can suspend background and foreground Tab?

    b) Discuss socket problem of multiprocessor system.

5. a) What is shell? Explain features of shell.

    b) Discuss grep family with syntax and example.

6. a) Explain while and untill loop in shell.

    b) List process execution meta character of shell.

7. a) Explain with example the purpose of BEGIN and END block of awk utility.

    b) Discuss the utility of PERL language.

8. a) Write a detail note on I-node table.

    b) Explain the purpose of super block.

******