

B.E DEGREE EXAMINATIONS: NOV/DEC 2012

Seventh Semester

COMPUTER SCIENCE AND ENGINEERING

CSE127: Unix Internals

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. BSD stands for _____
 - a) Bell System Development
 - b) Berkeley Software Distribution
 - c) Business Systems Design
 - d) Bidirectional Sequential Decoding
2. _____ are the kernel modules that control the operation of peripherals
 - a) Device Driver
 - b) Operating System
 - c) CPU
 - d) None of the above
3. UNIX file system follows
 - a) Hierarchical architecture
 - b) Linear list
 - c) Sequential structure
 - d) Random architecture
4. One triple indirect block with 256 double indirect blocks is equal to _____
 - a) 16Gb
 - b) 8GB
 - c) 16GB
 - d) 32 GB
5. Processes use the open system call for _____ pipes
 - a) Named
 - b) a) & b)
 - c) Unnamed
 - d) dummy
6. _____ system calls allows users to access data in a disk section as a file system instead of sequence of disk blocks.
 - a) Mount
 - b) Dup
 - c) Unmount
 - d) Pipe
7. pregon stands for _____
 - a) pointer to region
 - b) per process region table
 - c) program region
 - d) process region table
8. The _____ process is a dispatcher, spawning processes that allow users to log in to the system.
 - a) Booting
 - b) init
 - c) Startup
 - d) a or b

23. a) Explain in detail about OPEN & READ system call.

(OR)

b) Explain the mounting and unmounting file systems

24. a) Explain in detail about process states and transitions.

(OR)

b) (i) Write a detailed note on process creation and termination. (7)

(ii) Discuss about Shell in UNIX (7)

25. a) Discuss about process scheduling in UNIX.

(OR)

b) Write a detailed note on driver interfaces in UNIX
