

Group A

2. a) Explain, in detail, the multilayer ring architecture of UNIX.
b) Explain the file system of UNIX.
3. a) Briefly explain the following UNIX commands.
i) wc ii) who
b) What are the octal number representation corresponding to each of read, write and execute file permission? Explain, giving example, how would read, write and execute permission for owner, group and others be represented in octal?
4. a) What are semaphores? Explain the use of semaphores with examples.
b) What are the different process states?
5. a) What is deadlock? List four necessary conditions for deadlock.
b) Compare and contrast deadlock prevention and deadlock avoidance.
6. a) Compare and contrast paging and segmentation.
b) What is virtual memory? Describe its advantages.

Group B

7. Explain the following terms:-
a) Web site b) Web server c) Web Browser d) Web Publishing
8. a) Create a web page using HTML to display "Hello User" in bold, italic and underline
b) Explain the and tags.?
9. a) Display the records of 5 students (roll, name, course) by using <table > tag .
b) What is the use of JAVA script in Webpage designing? Explain.
10. a) Write a JAVA script code to print the series 1,2,3,4,5,6,7,8,9,10.
b) What is the use of hidden field? Explain.
11. Write notes on any two of following:-
a) Internet b) E-Commerce c) JAVA applet