|  |
| --- |
| Assuming the current working directory is “/usr/peter/documents”, the relative path name of the file “/usr/peter/documents/os/lecture\_slides.ppt” is: |
| |  |  | | --- | --- | | Selected Answer: | c.  “os/lecture\_slides.ppt” | | Assuming the current working directory is “/usr/peter/documents”, the absolute path name of the file “os/lecture\_slides.ppt” is: | | | | |  |  | | --- | --- | | Selected Answer: | c.  “/usr/peter/documents/os/lecture\_slides.ppt” | | | | |
| Protection bits of a file are set as “r - x r- x - - x" in a UNIX system.  What are the permissions granted to the owner of this file? |
| |  |  | | --- | --- | | Selected Answer: | a.  Read and Execute | |
| If a user using a UNIX system allows only herself to read and write and other users in the same group to read a file, what are the corresponding protection bits of the file? |
| |  |  | | --- | --- | | Selected Answer: | a.  r w - r - - - - - | |
| Some file systems use two block sizes for disk storage allocation in order to: |
| |  |  | | --- | --- | | Selected Answer: | c.  Both (a) and (b) | |
| Assuming the absolute path name of a file is “/usr/peter/documents/os/lecture\_slides.ppt” and the relative path name of the same file is “os/lecture\_slides.ppt”, the current working directory must be: |
| |  |  | | --- | --- | | Selected Answer: | c.  “/usr/peter/documents” | |
| Protection bits of a file are set as “r w x r- x r - -" in a UNIX system.  What are the permissions granted to the users who are in the owner’s group? |
| |  |  | | --- | --- | | Selected Answer: | a.  Read and Execute | |
| Assuming data are updated frequently and accessed frequently in random order, what is the most appropriate file allocation method to optimize efficiency in terms of speed of access, use of storage space, and ease of updating? |
| |  |  | | --- | --- | | Selected Answer: | a.  Indexed Allocation | |
| Assuming data are updated infrequently and accessed frequently in random order, what is the most appropriate file allocation method to optimize efficiency in terms of speed of access, use of storage space, and ease of updating? |
| |  |  | | --- | --- | | Selected Answer: | a.  Contiguous Allocation | |
| Which of the following statement regarding symbolic and hard link is incorrect? |
| |  |  | | --- | --- | | Selected Answer: | a.  Symbolic link duplicates all information about a file in multiple directories. | |
| Disk block size may affect both performance and space utilization of a file system.  What is the problem that may arise when the block size is very small? |
| |  |  | | --- | --- | | Selected Answer: | b.  Low data rate | |
| Disk block size may affect both performance and space utilization of a file system.  What is the problem that may arise when the block size is very big? |
| |  |  | | --- | --- | | Selected Answer: | a.  Low disk space utilization | |
| Which of the following statement regarding symbolic and hard link is incorrect? |
| |  |  | | --- | --- | | Selected Answer: | b.  Accessing a file using hard link takes longer time than using symbolic link. | |