

**Any marks not recognised by the  
Optical Mark Recognition (OMR)  
machine will get ZERO marks**

**Correct mistakes with an eraser,  
correction pen or white tape; it is not  
enough to put a cross through the circle**

**Errors in student number get ZERO  
marks**

# Operating Systems and Systems Integration Quick Quiz 2

Do not refer to any printed material.

No talking or discussion is allowed until the answer sheets are all collected.

## Review:

1. A directory entry contains:

- (A) filename and mapping of file contents (data sectors)
- (B) filename and inode number
- (C) only the inode number and a pointer to the file contents
- (D) A symbolic link to the actual filename and file contents
- (E) At least: filename, modification, access and change timestamps, permissions, size, owner

2. A system administrator executes the command

```
$ ls -i *  
54903110 file1 54903109 file2  
54903109 file3 54903111 file4
```

- (A) file1, file2 are hard links to the same file, file4 is a symbolic link to file1
- (B) file2, file3 are hard links to the same file, file4 is a symbolic link to file1
- (C) file1, file2 are hard links to the same file, file4 is a dangling symbolic link
- (D) file1 is not a hard link to any of the other files
- (E) file2 is a copy of file3

3. To delete the last three directories in the pathname /tmp/a/b/c, you can do:

- (A) `$ rm -rf /tmp/a`
- (B) `$ cd /tmp;rmdir -p a/b/c`
- (C) `$ rmdir /tmp/a/b/c /tmp/a/b /tmp/a`
- (D) `$ rm -f /tmp/a/b/c;rm -f /tmp/a/b;rm -f /tmp/a`
- (E) All the other options

## Preparation:

4. The `chmod` command is used to:

- (A) Change the *user* ownership of a file
- (B) Change the *group* ownership of a file
- (C) Change the *access rights* of a file
- (D) Change the *link status* of a file
- (E) Convert files to directories and directories to files

5. The `mount` command is:

- (A) used to make a filesystem available at a directory
- (B) related to the file `/etc/fstab`
- (C) able to make network file systems (NFS) available locally
- (D) able to make Microsoft Windows shares available locally
- (E) All the other options