

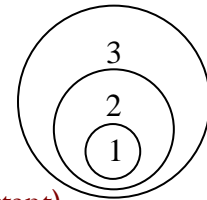
Name: **KEY Solution**

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**Quiz 0** (Ramadan Mubarak!)**Q1. Answer the following short answer questions [11 pts.]**a) Define each of the main parts of Linux OS as shown in the diagram?

1. **kernel** : it manages the resources (the heart of the OS)
2. **file system**: the organizing structure for data (the most important)
3. **shell**: the command interpreter (the secretary)

b) In what kind of data structure Linux file system is stored (list, table, tree, or stack)?

c) A full pathname always begins with what character? /

d) What is the full pathname of the root directory? /

**Q2. Give a pathname for the following: [10 pts.]**a) Your current directory: **.** (the dot)b) Sibling to your current directory called “dir1”: **../dir1**c) Sibling of the parent of your current directory called “dir2”: **../../dir2**

d) File called letter.doc in a subdirectory (called letters) of the current directory

**./letters/letters.doc** or **letters/letters.doc**e) The directory called “tmp” which is directly under the root directory: **/tmp****Q3. What is the Linux command used to: [9 pts.]**a) Print your *current directory*: **pwd**b) Change your current directory: **cd**c) List *all* the files in a directory: **ls -a**d) Copy a file: **cp**e) Move a file: **mv**f) Rename a file: **mv**g) Make a directory: **mkdir**h) Delete a directory: **rmdir**

~ Good Luck! ~