Task(s)	Full Marks	Marks Awarded
A1. Package Management		7 1 1 1 2 1 2 2 2
Install the httpd software package	1	
A2. Process Management		
Start the httpd service and ensure that it is started automatically every time the system reboots.	1	
Stop the sshd service now and ensure it is NOT started automatically every time the system reboots.	1	
A3. User and Group Account Creation		
Create a user name "jenny" as follows: • she belongs to a primary group "secretary" • she belongs to two secondary groups "support" and "staff"	1 1 2	
Create another user "jazzie" as follows: • she belongs to a primary group "staff"	1 1	
A4. Basic Permissions		
 Create a directory /practice-test3 and set the permissions as follows: Owner is jenny Group owner is support Permissions should be drwx-rw-r 	1 1 1	
 Create a file /practice-test3/testfile3.txt and set the permissions as follows: Owner is jazzie Group owner is staff Permissions should be –rw-rw-r 	1 1 1	

Task(s)						Full Marks	Marks Awarded					
A5.	Partitio	ning a no	ew hard	disk				Marks Awarded				
Attach one additional harddisk to the VM with a size of 1 GB.												
Partition the harddisk as follows:												
Partiti on #	Device ID	Partition Type	Size in MB	Partition ID	File system	Mounting point	Mount options					
1	/dev/sdb1	Primary	200 MB	Linux	ext4	/mnt/sdb1	Defaults	5				
2	/dev/sdb2	Primary	250 MB	Linux	ext4	/mnt/sdb2	Defaults					
3	/dev/sdb3	Primary	100MB	Linux swap	swap	-	Defaults					
4	/dev/sdb4	Extended	Balance									
5	/dev/sdb5	Logical	300 MB	Linux LVM	-	-	-					
6	/dev/sdb6	Logical	Balance	Linux LVM	-	-	-					
All pa	All partitions shall be mounted persistently.											
A6. Logical volume manager												
 Create an LVM volume group named vg1 from the 2 Linux LVM partitions that you have created in A5. Create a logical volume named lv1 with the size of 30 physical extends Create an ext4 file system on lv1 Mount the new file system at /mnt/lv1 persistently 								5				
A7.	Default	permiss	ions (wr	ite your	answer	s here)						
If the umask is 025, write down the permissions of the new file and directory created (you can use rwx to represent the permissions):							2					
New f	New files created will have this permission:											
New	New directories created will have this permission:											

A8. Scheduling Job		
Schedule a system cronjob that runs every Wednesday at 11:45pm using "jenny" account. The cronjob creates a bzip2 tar archive (filename ~/DDMMYY-home.tar.bz2 where DD is the 2-digit day of the month, MM is the 2-digit month of the year and YYYY is the 4-digit year of the date of job execution) that contains the entire /home/jenny folder (including subfolders and files).	3	
Total	30	