**Task**

1. Find the types of backup media that is available and explain the strengths and weaknesses of each.

* **External Hard Drive** -

**Advantages -**

* Very good option for local backups of large amounts of data.
* The cheapest storage option in terms of dollars per GB. Very reliable when handled with care.

**Disadvantages -**

* Can be very delicate. May be damaged if dropped or through electrical surge.
* **Solid State Drive** (SSD) -

**Advantages -**

* Faster read and write performance
* More robust and reliable than traditional magnetic hard drives.
* Highly portable. Can be easily taken off-site .

**Disadvantages** -

* Still relatively expensive when compared to traditional hard drives.
* Storage space is typically less than that of traditionally magnetic hard drives.
* Network Attached Storage (NAS) -

**Advantages -**

* Very good option for local backups especially for networks and small businesses.
* As several hard drives can be plugged in, NAS can hold very large amounts of data.
* Can be setup with Redundancy (RAID) increasing the reliability and / or read and write performance.
* The drive is always connected and available to the network the NAS a good option for implementing automated scheduled backups.

**Disadvantages -**

* Significantly more expensive than using single External Hard Drives.
* Difficult to bring offsite marking it very much a local backup hence still susceptible to some events like theft floods, fire etc.

1. What are the factors that might be considered for an appropriate backup plan.

* Data backup service provider
* Cost
* The Service Provider’s Reputation

1. For the following companies what types of information would archived/backuped and what backup system and back media would be used.
   1. Banks or financial institutions

* Backuped info - client details, deposits, withdrawals.
* Backup system - NovaBACKUP
* Backup media - Incremental backup
  1. Centre for Disease control/pharmaceutical companies
* Backuped info - Patient records, Reports, Meds Stock
* Backup system - Druva Data Management As A Service
* Backup media - Incremental backup
  1. Educational institutes
* Backuped info - Student records, fees, staffs.
* Backup system - ICT School online Backup Service
* Backup media - Incremental backup
  1. Online ecommerce websites
* Backup info - Goods and services details, products, sales
* Backup system - Dropbox, backup-vault,
* Backup media - Differential backup