CY487 DATA SECURITY

HOS08A – Deploy Recovery Service Vault and Backup Policy

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Questions you can answer for submissions:

1. **Knowledge:** Why is Backup Policy important?
   Why is Backup Policy important? A backup policy is crucial because it ensures data is consistently protected against loss or corruption. Without a backup policy, important data can be permanently lost due to system failures, human errors, or cyber-attacks.

2. **Knowledge:** What is a Backup Policy? Provide an analogy to understand it better.
   A backup policy is a set of guidelines that dictate how and when data should be backed up. Think of it like insurance for your data—just as you have insurance to protect valuable assets, a backup policy protects your valuable data.

3. **Knowledge:** What are the benefits of having a backup policy?
   A backup policy provides data security, ensures business continuity, minimizes downtime after a data loss incident, and protects against ransomware attacks.

4. **Knowledge:** What are the different types of backup policies that we can deploy?
   Common types of backup policies include:
   Full Backup: Copies all data.
   Incremental Backup: Backs up only the data that has changed since the last backup.
   Differential Backup: Backs up data that has changed since the last full backup.
   Mirror Backup: Creates an exact copy of the data.

5. **Application:** When to use Backup Policy? Why?
   Backup policies should be used consistently as part of a data protection strategy. They are vital after major changes to systems, during routine operations to guard against unexpected failures, and before critical updates or migrations to safeguard data.

6. **Application:** Best use of each type of Backup Policy? Why?

   Full Backup: Best for periodic complete snapshots of all data, ensuring everything is backed up but can be time-consuming and space-intensive.
   Incremental Backup: Ideal for daily backups due to its efficiency in only backing up changes, saving time and storage space.
   Differential Backup: Useful for regular backups where changes need to be captured, but restore time is a concern, as it balances between full and incremental backups.
   Mirror Backup: Best when an exact, real-time copy of data is needed for immediate recovery, though it doesn’t retain previous versions.