

EE4217 Test – 2013

- 1 a) In business continuity, there are two objectives in design which are Recovery Point Objective and Recovery Time objectives. What are they?

[4 marks]

When a system failed, two resume approaches, i.e. Disaster Recovery and Disaster Restart, can be adopted. Explain the difference of these two approaches.

[4 marks]

- 1 b) In business continuity, periodic backup is still a widely used method for preserving copies of data. What are the choices for setting up the Backup and Recovery Strategies?

[8 marks]

1. c) A manufacturing corporation uses tape as their primary backup storage media throughout the entire organization. Current Situation/Issue is:

- Full backups are run every Sunday. Incremental backups are run from Monday through Saturday. There are many backup servers in the environment, backing up different groups of servers.
- Their e-mail and database applications have to be shut down during the backup process.

The main concerns facing the corporation are:

- 1) Due to the de-centralized backup environment, recoverability of the backup servers is compromised.
- 2) Key applications have to be shut down during the backup process.
- 3) Too many tapes need to be mounted in order to perform a full recover, in case of a complete failure.

The company would like to:

- 1) Deploy an easy-to-manage backup environment.
- 2) Reduce the down time for the email and database applications
- 3) Reduce the number of tapes used to fully recover a server in case of failure.

Propose a backup and recovery solution to address the company's concern.

Justify how your solution will ensure that the company's needs are met.

[9 marks]