

NIELIT GORAKHPUR

Course Name: O Level (2nd Sem)
Topic: Backup and Restore (Part 3)

Subject: Introduction to ICT Resources
Date: 16-04-2020

Backup and Restore

Need of Backup:

All electronic devices are subject to failures in one form or the other. A computer system is also an electronic device and is subject to failures of various forms. Since DBMS forms part of the computer system, it is also level to failures and errors. Failures in system can be due to transaction, system or media failures. Backup is very important for restore from critical conditions. Following are the likely reasons for fail in the middle of execution.

- 1) **Accidentally important file deleted.**
- 2) **File corrupted during file transaction:** File may corrupt by voltage or transaction error.
- 3) **System crash:** A hardware, software or network error can occur in the computer system during transaction execution. Hardware crash may also occur due to main memory failure.
- 4) **Disk failure:** Some disk blocks may lose their data because of a read/write malfunction or disk read/write head error.
- 5) **Natural disaster:** This refers to a number of problems including earthquake, fire, theft, overwriting tapes or disks by mistake.

Backup Processes:

1. Important files and folders can backup time to time by copy backup method.
2. To backup system setting and system file, Operating system provides backup and restores tool.
3. Operating system also backup deleted file in recycle bin, temporally. That can restore.
4. System program and file backup can be done by restore point.

To manually create restore point, do this.

1. Choose Control Panel.
2. Double-click Performance and Maintenance.
3. Select System Restore.
4. Choose the Create a Restore Point radio button, and in the next screen, name the restore point.
5. Finally, click Create and your system goes to work; after several seconds, a message appears telling you that Windows has created the restore point.
6. Click Close to exit the utility.

Exercise:

- 1: Write the need of backup?
- 2: What is Restore-Point and how to create in windows?