TASK-9 Backing up and recovery in database

Perform following backup and recovery in database
a) Recovering a NoARCHIVELOG Database
b) Restoring the Server Parameter File.
c) Performing Recovery with a Backup Control File.

Scenario 1:- Recovering a NoARCHIVELOG, Database with Incremental Backups.

Scenario 3:- Performing Recovery with a Backup Control File.

Step1:- Backup Control file.

Step2:- Simulate control file loss. Delete or modify control file

Step 3:- Restore control file.
STARTUP MOUNT
RESTORE CONTROLFILE FROM LINE = 'controlfile-bak';
ALTER CONTROL FILE REUSE;
Step4:- Recover Database
RECOVER DATABASE USING BACKUP CONTROLFILE;

Step5:- Open Database.
ALTER DATABASE OPEN RESTLOGS;

SQL Server Commands:-
- BACKUP DATABASE
- RESTORE DATABASE
- RECOVER DATABASE
- ALTER DATABASE
- BACKUP SERVER PARAMETER FILE
- RESTORE SERVER PARAMETER FILE.
- BACKUP CONTROLFILE
- RESTORE CONTROLFILE.

Step4:- Backup Control file
BACKUP CONTROLFILE TO FILE = 'controlfile.bak';

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EX.No.		
PERFORMANCE (5)	5	
RESULT AND ANALYSIS (1)	3	
VIVA VOCE (3)		4
RECORD (4)		1
TOTAL (15)		2 5/9/15

RESULT:- Hence the implementation of Backing up and recovery operations in database has been done successfully.

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Step 1 :- Backup Database.

BACKUP DATABASE [database_name] TO DISK = 'incvement_back.
-up.bak' WITH NOFORMAT, NONIT, NAME = 'FullDatabase Backup'
SKIP, REWIND, NOUNLOAD, STATS = 10;

Step 2 :- Create Incvemental Backup.

BACKUP DATABASE [database_name] TO DISK = 'incvement_backup.
bak' WITH DIFFERENTIAL, NONINIT, NAME = 'Incvement
Database Backup', SKIP, REWIND, NOUNLOAD, STATS = 10;

Step 3 :- Simolate Data loss.
---Intentionally delete or modify data.

Step 4 :- Restore Database.
RESTORE DATABASE [database_name] FROM DISK = 'backup_file.
bak' WITH REPLACE.

Step 5 :- Apply Incvement Backup.
RESTORE DATABASE [database_name] FROM DISK = 'incvement-
backup.bak' WITH REPLACE.

Step 6 :- Recover Database.
Recover DATABASE [database_name].

Step 7 :- Open Database.
ALTER DATABASE [database_name] SET ONLINE

Scenavlo 2 :- Restoring the server Parameter File (SPFILE)

Step 1 :- Backup SPFILE
BACKUP SERVER PARAMETER FILE TO FILE = 'SPFile_bak';

Step 2 :- Simolate SPFILE Loss
Delete or modify SPFILE

Step 3 :- Restore SPFILE
STARTUP MOUNT
RESTORE SERVER PARAMETER FILE FROM FILE = 'Spffile.ba-
-k';
SHOTDOWN
START UP.