**Final Exam**

The final exam consists of questions that are based on your learnings of your assignments and covers the scenarios that you have previously worked on during the course.

For each question, please explain with as much detail as possible and provide examples to support your answer.

1. Why must a plan be required for a change to the central database server, specifically upgrading the core software on that database system? What role does your plan fulfil in relation to other groups/teams that depend on this central database server?
2. Building on question 1, please explain how you would incorporate backup and recovery procedures within the upgrade plan? What are some of the requirements that should always be included?
3. You are asked by your supervisor to list three major components that are required to be updated during an active directory migration from an on-site resource to a cloud-based resource. Please identify those three components and explain why they are important.
4. Building on Question 3, please explain three potential problem areas that need to be considered within the plan. How will these problem areas affect the migration, and what potential mitigation could be included to reduce their impact.

Please develop your answers in written format and your overall final should be between 5-8 pages in length. Please also ensure you are using APA formatting for any references you are using to support your answers.