

Student Name:.....

Student ID:.....



College of Applied Studies and Community Service
King Saud University (KSU)

CT 1314 - Homework#7

Answer the following questions:

1- You have 300 KB data and you want to spread it over 4 disks that use RAID-level-0 configuration.

Draw a graph that explains this configuration.

2- You have 380 KB data and you want to spread it over 3 disks that use RAID-level-5 configuration.

Draw a graph that explains this configuration.

3- The server administrators at Fresh Recipes Company have been performing full backups manually every night for years. Now that the company has grown and the amount of data to back up has increased, the backups are taking much longer, which is causing the server administrators to put in extra hours. The administrator wants a dynamic disk configuration that do a shadow copy (back up) automatically. What is the most suitable dynamic disk configuration for them?

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4- What is the reason of using the parity block in RAID-LEVEL-5?

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5- What are the advantages of using Software RAID?

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6- What does hot swap failed disks means?

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Good Luck ☺