

WORLD MISSION HIGH SCHOOL

L5 NIT

LINUX SERVER ADMINISTRATION ASSIGNMENT

DATE:15/01/2026

You are a system administrator at a school using an **Ubuntu Linux Server**. The server stores files for students and teachers. You need to make sure that each user can **access only the files they are allowed to**. You also need to **set proper permissions** so that files are safe from unauthorized access.

Questions:

1. Explain what **file ownership** is in Ubuntu Linux. Who can be the owner of a file or directory?
2. Describe the three types of **permissions** and explain what each allows a user to do.
3. A file named exam_results.txt should only be **readable and writable by the teacher**, but not by students. Which command would you use to set the correct permissions, and why?
4. Explain the difference between **user, group, and others** in Linux file permissions. Give one example for each.
5. Discuss why it is important to **set correct ownership and permissions** on a school Linux server.