

WORLD MISSION HIGH SCHOOL

ASSIGNMENT OF WINDOWS SERVER ADMINISTRATION

DATE:21 November,2025

SUBMISSION DATE: Monday, **24 November,2025**

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Scenario Background

World Mission High School is expanding its computer laboratory. The school has **one main server** running **Windows Server 2012 Standard** and **40 client computers** running Windows 10.

The school management wants the ICT department (including *you, the student technician*) to set up a **stable, secure, and easy-to-manage network**.

The following services must be considered:

- **Active Directory Domain Services (AD DS)**
- **DNS Server**
- **DHCP Server**
- **File and Storage Services**
- **Print Services**

Your task is to **analyze the situation** and provide solutions based on understanding of Windows Server Roles.

Student Tasks

1. Role Identification

Based on the scenario, identify **three (3)** server roles that are *most important* to install first. Explain **why each role is necessary** in the school environment.

2. DHCP vs Static IP Decision

The principal wants to know:

“Why can’t we just give every computer a manual (static) IP instead of using a DHCP server?”

Give **two strong reasons** supporting the use of DHCP instead of static IPs.

3. Active Directory Design

Propose:

- **One (1)** appropriate domain name for the school
- **Two (2)** Organizational Units (OUs)
Explain briefly the purpose of each OU.

4. DNS Failure Scenario

Suppose students complain that:

- They can log in to the system
- They have IP addresses
- But they **cannot access the internet**

Explain **two possible DNS-related causes** of this problem.

5. File Server Access Control

The teachers need a shared folder for teaching materials.

Students should **only be able to read** the files;

Teachers should be able to **read + edit** files.

Which permission settings would you apply?

Explain why.

6. Print Server Challenge

The school has **one printer**. Many students print at the same time, causing delays.

Explain **how a Print Server role** solves this problem.