ANNEX A · PRACTICAL 2.3 — THE INSTALLATION PLAN

Name: _____ **Date:** _____ **PC:** _____

This sheet is your plan for next week's three installations. Fill it in today and **keep it**.

TASK 1 **Requirement hunt (pairs)**

Find the figures in the **official** documentation. No blogs, no AI. Start at: Debian → `debian.org`, Installation Guide, amd64, chapter 3.4 · Ubuntu → `ubuntu.com/server/docs`, search system requirements · Windows → `microsoft.com`, search Windows 11 specifications.

	Debian 13 (with desktop)	Ubuntu Server 26.04	Windows 11
CPU / architecture			
RAM minimum			
RAM recommended			
Disk			
Firmware			
Special hardware			
Page address (short)			

Date you read the pages: _____

DONE WHEN every cell has a figure or "not given", and you can show the page where each one comes from.

TASK 2 **What can my host lend?**

The host is the **class server**. In a terminal on your PC (**Ctrl + Alt + T**), log in: `ssh <user>@<server>` (password from your slip). Type each command, press Enter and write the answer. `exit` at the end.

Command	It tells you	The server
`nproc`	CPU threads	
`free -h`	RAM: `total` and `available`	
`df -h ~/.local/share/libvirt/images`	Free disk for VMs: column `Avail`	
`uname -m`	Architecture	

The three VMs together ask for _____ GB of RAM and _____ GB of disk. The server is shared by the whole class: can everyone run their three **at the same time**? Why?

_____

_____

DONE WHEN your answer uses two numbers from the table.

TASK 3 **Partition plans**

Cut each bar into its partitions and label each piece (name, what it is for). `deb-lab` uses BIOS, `win11` uses UEFI.

`deb-lab` · 25 GB

`win11` · 64 GB

DONE WHEN each bar has at least two labelled pieces and only one of them has an EFI System Partition.

TASK 4 **The plan**

	deb-lab	ubu-srv	win11
System and version			
ISO file (exact name)			
vCPU / RAM / disk			
Firmware			
Partitioning			
Computer name / user			
Network			
After installing			

DONE WHEN a classmate could build the three VMs from this table without asking you anything.

Hand in: the plan typed as `practical-2.3-surname.md` (report template from 23/10) on Google Classroom before Tuesday 03/11, 08:55. **Marks (10):** requirements with source 3 · host and sums 2 · partition plans 2 · plan table 2 · template and own words 1.

EXIT TICKET

Alone, no notes. Tick one answer.

1. A system lists “minimum 1 GB, recommended 2 GB of RAM”. What does minimum mean?

- ☐ a) The best amount to work with
- ☐ b) The most it can ever use
- ☐ c) It starts, but may be too slow to work
- ☐ d) The amount the installer downloads

2. An ISO ends in `amd64`. On which machine will it not start?

- ☐ a) A PC with an Intel CPU
- ☐ b) A computer with an arm64 CPU
- ☐ c) A PC with an AMD CPU
- ☐ d) A VM on an Intel host

3. A host has 8 GB of RAM. Why can it not run `deb-lab`, `ubu-srv` and `win11` together?

- ☐ a) They ask for 10 GB of RAM in total
- ☐ b) They ask for 6 vCPUs in total
- ☐ c) NAT allows only two guests
- ☐ d) qcow2 disks cannot be shared

4. Which partition exists only when the firmware is UEFI?

- ☐ a) swap
- ☐ b) `/` (root)
- ☐ c) `/home`
- ☐ d) EFI System Partition

5. Where do the figures of an installation plan come from?

- ☐ a) The first blog in the search results
- ☐ b) The system’s official documentation, with the date read
- ☐ c) What worked on a friend’s PC
- ☐ d) The size of the ISO file