**Course : Technology and Information Systems**

**Course Code : SECP 1513**

**Activity : PC Assembly**

**Section : 15**

**Lecturer Name : Dr Halinawati binti Hirol**

**Group name : Tengku Zaqwan Haidar Bin Tengku Awisqourni**

This sheet should be filled in your group.

You should fill in the step numbers and the activities for each step. Once you have completed the steps, put a ✅ in the final column (for done). Once you have completed all the steps and put the check mark. Find a technician in the lab to check that you have completed all the steps correctly.

|  |  |  |
| --- | --- | --- |
| Step number | Activity | Done ✅ |
|  | **DISASSEMBLE** |  |
| 1 | Gather your all tools | ✅ |
| 2 | Choose a clean, well-lit workspace with ample room | ✅ |
| 3 | Disconnect all cables from the back of the PC and Remove any peripheral devices (keyboard, mouse, etc.). | ✅ |
| 4 | Open the PC case | ✅ |
| 5 | Wear an anti-static wrist strap and attach it to your wrist. Alternatively, touch a metal part of the case to discharge any static electricity. | ✅ |
| 6 | Unplug power connectors from the motherboard, GPU, and other components | ✅ |
| 7 | Disconnect data cables from hard drives, SSDs, optical drives, and any other peripherals. | ✅ |
| 8 | Unscrew and remove any expansion cards (GPU, sound card, etc.) from their slots | ✅ |
| 9 | Release the clips on either side of the RAM slots to remove the RAM sticks | ✅ |
| 10 | Remove screws securing hard drives or SSDs in place and disconnect data and power cables. | ✅ |
| 11 | Locate and remove screws securing the motherboard to the case and carefully lift the motherboard out of the case. | ✅ |
| 12 | If you need to access the CPU, remove the heatsink/fan assembly carefully by unscrewing it. | ✅ |
| 13 | Disconnect the front panel connectors (power button, LEDs, etc.) from the motherboard. | ✅ |
| 14 | Remove the PCU | ✅ |
| 15 | Keep screws in labeled containers, so you know where they belong during reassembly | ✅ |
| 16 | Use compressed air or brush to clean dust from components | ✅ |
|  | **ASSEMBLE** |  |
| 1 | Gather all back the component | ✅ |
| 2 | Prepare the workspace | ✅ |
| 3 | Install the CPU | ✅ |
| 4 | Install the CPU cooler | ✅ |
| 5 | Install the RAM back | ✅ |
| 6 | Install the GPU | ✅ |
| 7 | Connect your SSD or HDD to the motherboard using SATA cables | ✅ |
| 8 | Install the motherboard back to the case | ✅ |
| 9 | Connect to the power supply | ✅ |
| 10 | Connect the power button, reset button, LEDs, and USB ports from the case to the motherboard. | ✅ |
| 11 | Connect the SATA data cables from the motherboard to the storage devices | ✅ |
| 12 | Organize and secure cables using cable ties to improve airflow and aesthetics. | ✅ |
| 13 | Double-check all connections to ensure everything is properly seated and connected. | ✅ |
| 14 | Connect the power cable to the PSU | ✅ |