

CHMA Experiment

1. Write down the steps to open CPU panel and identify different hardware components and identify cables which are connected to CPU.(VGA, HDMI, DVI, SATA,PATA) and identify ports (IDE,VGA, DVI, serial , parallel, USB).
2. Unmount the power supply and identify the types of output connectors and their use?
3. Identify different types of electronic components and tabulate them as active and passive components?
4. Identify RAM chips and write down the features HDD and SSD?
5. Draw SIMM and DIMM memory model and write down their number of pins, specs and type.
6. Write the precautions to taken before removing the motherboard from PC cabinet.
7. Explain the electrical flow path and data flow path?
8. Write any 5 motherboard fault error codes and write the steps and identify system faults using post diagnostic card?
9. Write the steps to configuration UEFI and observe which type motherboard supports UEFI settings?
10. Write down the steps to install windows 10? (with bootable device).
11. Write the difference between Laptop and Desktop layout.
12. Write about power issues (battery not charging, no power).
13. Write down the steps to installation of different printers (wired, Bluetooth, shared)?
14. Write down the procedure to troubleshoot SMPS fan and steps to measure the voltage of color coding?
15. Write the steps to install CPUID ZTool and its uses?
16. Write the steps to open resource monitor and its use?
17. Write the steps to replace CMOS battery from motherboard and how to set date and time after replacing CMOS battery and how to identify CMOS battery failure?
18. Write the steps to install CPUID ZTOOL and identify capacity, speed, technology and related features of RAM, and check properties?
19. Write the steps to expand RAM size in CPU ?
20. Write the steps to recovery partition?
21. Write about any 5 registry tweaks and its use?
22. Write about following commands and their use.
a)mkdir b) rmdir c) cd d) del e) encrypt f) decrypt.
23. Write the steps to scan and remover malware in computer or mobile devices and perform antivirus and antimalware updates?