COMPUTER HARDWARE MAINTENANCE AND ADMINISTRATION

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SEMESTER: **3ʀᴅ SEMESTER**

DEPT. BRANCH : **COMPUTER SCIENCE & ENGINEERING (CSE)**

SUBJECT: **COMPUTER HARDWARE MAINTENANCE AND ADMINISTRATION.**

COURSE CODE: **20CS32P**

FACULTY NAME: **AMRUTHA H.N**

COLLEGE NAME: **PES POLYTECHNIC**

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WEEK	ACTIVITY
1	Identify The Cables. List The Devices Can Be Connected To Computer Using These Cables.
2	A). Identify The Components That Are Powered By The PSU. B). Identify The Common Cause Of PSU – SMPS Failure & Explain How It Can Be Maintained In A Health State.
3	A). Calculate The Value Of Resistor On Word Using Color Code. B). Identify The Terminals Of BJT AND MOSFET.
4	A). Compare And Contrast The Different Characteristics Of Different Motherboard Compactors. B). Study The Features And Specification Of The Processor (Intel Dual Core, Quad Core, I3, I5, I7, I9. AMD Processsor).
5	A). Explain The Importants Of UEFI Configuration Settings For Overclocking Of CPU Frequency B). Set RAM Settings, RAM Timings.
6	Setting BIOS Password Specify Boot Options. Describe The Classification Of Memory. Study The Different Types Of Memory Devices Features That Are Commercially Available.
7	Compare DDR4 AND DDR5 Memory.
8	A). Identify The System Required For Windows 10 Installation. B). Study And List The Features Of Different Version Of Windows 10.
9	Study The Best Practices Followed In Scheduled Backup And Scheduled Disk Maintenance.
10	Compare Relative Merits And De-Merits Of Command Shells
11	Relative The Components Of Laptop To Desktop And Compare This Features
12	Document The Common Fault On The Motherboard
13	Study The Global E-Waste Key Statistics.