

**COMPUTER HARDWARE MAINTENANCE AND**

**ADMINISTRATION**

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SEMESTER: **3RD 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. |