

OCT-2019
Computer Hardware and Servicing
Autonomous Examination – Model Question Paper

NOTE: Write all the questions one time, WITHOUT ANY CHOICE in a neat A4 size white paper, after written take a snap/scan a written material using Cam Scanner from your Smartphone and sent it to e-mail : sit3yrcse@gmail.com on or before 30.04.2020. And submit the original written documents, while college reopen for Autonomous Examination May-2020.

Part – A

1. What is motherboard form factor?
2. What is chipset?
3. What is formatting?
4. What is key bouncing?
5. What is power good signal?
6. What are the different types of CPU using Laptop?
7. What is the use of secret codes in mobile phone?
8. What is SMD?

Part –B

9. Distinguish between hardware, software and Firmware.
10. Explain DDR2 and DDR3 Version.
11. What is the solid state drive?
12. What is plasma display?
13. How will you identify various BIOS?
14. What is ESD and what are the precautions to be taken?
15. What are the various IC used in mobile phone? List down their functions.
16. Explain about clock generator in a motherboard?

Part – C

17. A) i. Explain feature of Core i-series of processor
ii. Explain about the various motherboard in detail.

Or

B).i. Explain north bridge architecture and USB bus standards.

18. A). i. Explain about Blu-ray disk parameters.
ii. Explain the operation of inkjet printer.

Or

B).i. List out the feature of MFD
ii. Explain working of Scanner with block diagram

- 19.A). i. Explain the principle of operation of the LCD display with neat diagram.
ii. Write short notes on BIOS interrupter.

Or

B).i. Explain detail various form related to troubleshoot by POST.

ii. Explain in detail various connector in SMPS.

20. A).i. Draw the block diagram of Laptop motherboard.

ii. What are active and passive maintenances?

Or

B).i. Explain in detail upgrading of BIOS in a computer system.

ii. Explain configure in power supply in laptop

21. A).i. Explain soldering and de-soldering of component in a mobile.

ii. Discuss about the antivirus software.

Or

B). Discuss about the various tools and instruments used in mobile services.