

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

**FIRST SEMESTER INTEGRATED M.C.A DEGREE EXAMINATION (Regular), DECEMBER 2022
(2020 SCHEME)****Course Code: 20IMCAT107****Course Name: Introduction to Computers & PC hardware****Max. Marks: 60****Duration: 3 Hours****PART A*****(Answer all questions. Each question carries 3 marks)***

1. Differentiate local bus and I/O bus.
2. List the advantages of switched-mode power supplies.
3. What is AGP slot? Expand the term.
4. Define ROM POST.
5. List out the types of signaling available in SCSI.
6. State the use of master/slave jumper in hard disks.
7. Define USB.
8. Write a short note on inkjet printers.
9. Explain master boot record.
10. Discuss file allocation table.

PART B***(Answer one full question from each module, each question carries 6 marks)*****MODULE I**

11. Describe the steps in troubleshooting a CPU. (6)

OR

12. Explain in detail memory chips and modules. (6)

MODULE II

13. Define SMPS. Describe the different output supply voltage lines used in SMPS. (6)

OR

14. Explain power protection and backup in computers. (6)

MODULE III

15. Compare IDE and SCSI interface. (6)

OR

16. Define ATA. Write a short note on ATA standards. (6)

MODULE IV

17. Illustrate audio adapter architecture with the help of a diagram. (6)

OR

18. Explain different keyboard layouts. (6)

MODULE V

19. Define back up. Elaborate the different back up plans. (6)

OR

20. Illustrate ESD handling techniques. (6)
