

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

FIRST SEMESTER INTEGRATED M.C.A DEGREE EXAMINATION (S), FEBRUARY 2023 (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. Write a note on the fundamental building blocks of PC.
2. Differentiate local bus and I/O bus.
3. Write a short note on AGP slot.
4. Explain CMOS settings.
5. What are the signaling types available in SCSI?
6. Briefly explain the components of a hard disk.
7. Write a note on USB.
8. Explain touchpad.
9. What are partition tables?
10. Explain the term ESD.

PART B

(Answer one full question from each module, each question carries 6 marks)

MODULE I

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

OR

12. Write the steps in installing CPU fan and heat sink. (6)

MODULE II

13. Elaborate on motherboard form factors. (6)

OR

14. What is SMPS? What are the output supply voltage lines used in SMPS? (6)

MODULE III

15. Write a note on magnetic storage. (6)

OR

16. Compare IDE and SCSI interface. (6)

MODULE IV

17. Write notes on any three pointing devices. (6)

OR

18. Explain in detail about different types of printers. (6)

MODULE V

19. What is back up? What are the different back up plans? (6)

OR

20. Write notes on different tools of the trade in PC troubleshooting. (6)
