



QP CODE: 24801173



Reg No : .....

Name : .....

**INTEGRATED MSC DEGREE EXAMINATION, FEBRUARY 2024**

**First Semester**

INTEGRATED MSC BASIC SCIENCE-STATISTICS

**Complementary - IST1CM06 - COMPUTER SCIENCE I-FUNDAMENTALS OF  
COMPUTER SCIENCE**

2020 Admission Onwards

329345E3

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

*Answer any **eight** questions.*

*Weight 1 each.*

1. Define super computers .
2. Add 1001 and 1111. Verify the answer with the help of decimal addition.
3. What is the difference between system software and application software?
4. Differentiate between Impact and Non-Impact printers.
5. What is Blue-ray Disk ?
6. Define internet.
7. What is data mining?
8. What is SPSS?
9. What is the relationship between operating system and computer hardware?
10. What is meant by a Directory?

(8×1=8 weightage)

**Part B (Short Essay/Problems)**

*Answer any **six** questions.*

*Weight 2 each.*

11. Explain hexadecimal number system and how it differ from BCD number system.
12. Differentiate between impact and non-impact printers.





13. Discuss the main functions of the CPU.
14. Explain the working of SMPS and UPS.
15. Define WAN. Mention the characteristics of WAN.
16. Describe the applications of bigdata.
17. Write short notes about any four operating systems .
18. What are the functions of an operating system?

(6×2=12 weightage)

**Part C (Essay Type Questions)**

*Answer any **two** questions.*

*Weight 5 each.*

19. What is “generation” in computer terminology? Describe various computer generations along with its key characteristics.
20. Give differences between the following --- (i) Registers and cache memory (ii) RAM and ROM (iii) Motherboard and processor
21. Discuss about a) Data analysis b) Hetrogeneous storage c) E-library d) Google scholar
22. Compare the architecture and features of Unix and Linux operating systems .

(2×5=10 weightage)

