

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(CS), SEMESTER-III

MAJOR: COMPUTER ORGANIZATION

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION – A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Explain about different types of computer registers?
2. Explain about instruction cycle?
3. Explain about hardwired control?
4. Explain in detail about Control memory?
5. How to perform binary addition and subtraction with an example?
6. Explain about arithmetic pipeline concept.
7. What is cache memory?
8. Explain about memory hierarchy.
9. Explain different modes of data transfer?
10. Explain about input-output interface.

SECTION – B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Explain in detail about the functional units of a computer?
Or
12. Explain in detail about register reference and memory reference instructions.
13. Explain about different types of addressing modes in computer organization.
Or
14. What is instruction format? Explain different instruction formats.
15. Explain about Intel 8086 microprocessor architecture.
Or
16. Explain in detail about pipelining concept in computer organization.
17. What is auxiliary memory? Explain different types of auxiliary memory devices?
Or
18. Explain different types of mapping techniques in computer organization.
19. Explain about asynchronous data transfer mode.
Or
20. Explain in detail about the working of Direct Memory Access.

