

(No additional sheet will be supplied)

**PART – A (5 x 3 = 15 marks)**

Answer any FIVE Questions.

Each question carries 3 marks

Each answer should not exceed 1 page.

1. What is system software?
2. What is CISA?
3. What is Micro Processor?
4. Define loader and give its functions?
5. What is Compiler?
6. What is Cache and give its Uses.
7. What is two pass assemblers?
8. What is a/d converter?

**PART – B (4 x15= 60 marks)**

Answer all Questions.

Each question carries 15 marks

Each answer should not exceed 6 pages.

9. What is machine architecture? What are the basic rules to be followed?  
(OR)
10. Explain RISE architecture with suitable examples with diagram.
11. What are the different types of the loaders? Explain with diagrams and examples.  
(OR)
12. What are the main features of macro processor? Explain in detail.
13. Explain assembler functions in detail.  
(OR)
14. How do you design a compiler? Explain in detail.
15. How do you design an operating system and what are the main features of UNIX OS?  
(OR)
16. (a) What are the main features of LINUX OS?  
(b) What are the features of OS?