

State whether TRUE or False:

21. The 8085 have five general purpose registers.
22. RRC means rotate accumulator right with carry.
23. All types of SUB instructions affect all flag.
24. Restart instructions are three byte conditional call instructions.
25. Mobile phone is an example of embedded microcontroller.

Answer Briefly:

26. What is control bus?
27. What is instruction set?
28. What is assembly language?
29. List the interrupts based on their priority.
30. What is embedded microcontroller?

SECTION - B**II. Answer any five questions :****(5x5=25)**

31. Explain register array in 8085.
32. Discuss the function of Arithmetic Logic Unit of 8085.
33. Discuss the addressing modes in 8085? Give two examples of each mode.
34. Write an assembly language program to multiply two 8 bit numbers.
35. Write a program to convert hexadecimal to BCD numbers.
36. Explain the interfacing of input port to 8085.
37. List the applications of 8051 microcontroller.

SECTION – C**III. Answer any three questions:****(3x15=45)**

38. (i) Discuss the address, data and control bus structure of 8085.
(ii) Explain the flag registers of 8085.
39. Explain the arithmetic, logical and data transfer instructions of 8085.
40. Write an ALP for (i) Ascending order and (ii) square root of 8 bit numbers.
41. Explain the various interrupts available in 8085.
42. Explain the architecture of 8051 microcontroller with a block diagram.
