



SB-0624

First Year B. Sc. Examination
March / April – 2011
Electronics : Paper - II
(Computer Science) (Microprocessor)
(Old Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
← F.Y. B. Sc.	<input type="text"/>
Name of the Subject :	<input type="text"/>
← ELECTRONICS - P - 2 (OLD)	<input type="text"/>
← Subject Code No. : <input type="text"/> 0 <input type="text"/> 6 <input type="text"/> 2 <input type="text"/> 4 ← Section No. (1, 2,.....) : <input type="text"/> NIL	<input type="text"/>
	Student's Signature

- (2) All questions are **compulsory**.
- (3) Assume date if **necessary**.
- (4) Symbol and abbreviations have their usual meaning.
- (5) Figures to the **right** indicate full marks.

1 Answer in brief : 14

- (1) What is microprocessor ?
- (2) Explain the difference between a microprocessor and a microcomputer.
- (3) List the four operations commonly performed by the MPU
- (4) Why the data bus bidirectional ?
- (5) Explain the function of ALE signal in 8085 microprocessor.
- (6) Explain task of SUB and SUI instruction of 8085.
- (7) What is subroutines in 8085 ?

2 (a) Draw the block diagram of digital computer and explain it. 8

(b) How many instructions are used in logical operation in 8085? Explain with example. 6

OR

- 2 (a) Explain following instruction of 8085 : 8
 (1) LXI (2) ADD (3) SUB (4) STA.
 (b) Briefly explain memory operation cycle. 6
- 3 (a) Why we use delay loop explain with flow chat and 8
 example in 8085?
 (b) What is meant by opcode explain briefly. 6
- OR**
- 3 (a) Write program for find the largest number in given 8
 number of block.
 (b) Explain interrupt of 8085 in brief. 6
- 4 (a) Explain all types of flag of 8085. 8
 (b) Explain read, write operation in 8085. 6
- OR**
- 4 (a) Explain 8079 programmable keyboard/display 8
 interface in brief.
 (b) Write notes on DMA controller 6
- 5 Write notes : (any two) 14
 (1) Data transfer instruction
 (2) Importance of indexing in programming
 (3) 8055A Programmable peripheral interface
 (4) Block diagram of 8086.
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