



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

SB-0624]

1

[Contd...

- 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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