

RB-3988

Instructions :

(1)

नीचे दृशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text" value="B. Sc. (IT) (Sem. 4)"/>	<input type="text" value="Student's Signature"/>
Name of the Subject :	
<input type="text" value="Microprocessor & Assembly Language (Old)"/>	
Subject Code No. : <input type="text" value="3"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="8"/>	Section No. (1, 2,.....) : <input type="text" value="2"/>

- (2) Write section-I and Section-II in **separate** sheet (with different subject code).
- (3) Draw the figure and give example whenever necessary.

4 Answer the following questions. 10

- (1) Explain the function of the 8086 pins :
- (a) NMI
 - (b) +VCC
 - (c) A16-A19
 - (d) AD0-AD15
 - (e) +BHE
 - (f) GND
- (2) Describe Assembler Directives
- (a) DB
 - (b) DW
 - (c) SEGMENT
 - (d) ENDP

5 Answer following questions in detail : (any **three**) 18

- (1) Explain block diagram of programmable interrupt controller ic. 8259.
- (2) Explain the block programmable peripheral interface 8255
- (3) What is interrupt vector table describe TYPE-2, TYPE-0 INTERRUPT
- (4) Explain IDE,SCSI,VESA

6 Write program to calculate average of 10 numbers and store its result in data segment memory 7

OR

6 Write program to arrange given 10 numbers in descending order and store result in data segment memory. 7