

B.Sc. S.Y. (CBCS Pattern) Semester-III
USELT06 - Electronics Paper-II - Microprocessor

P. Pages : 2

Time : Three Hours



GUG/W/24/11605

Max. Marks : 50

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- Notes :
1. All the questions are compulsory and carry equal marks.
 2. Draw the neat and labelled diagram wherever necessary.
 3. Use of log table/calculator is allowed.

Either:

1. a) Draw the block diagram of μ p8085 and Explain the function of each block. **10**

OR

- b) What is memory? Explain different type of RAM. **10**

Either:

2. a) Explain any five data transfer group of instructions of 8085 μ p. **10**

OR

- b) What is flow chart? Explain the use of various symbols used to draw the flow chart. **10**

Either:

3. a) Explain any five logical group of Instructions. **10**

OR

- b) What is subroutine? Draw the timing diagram of MOV. Explain Hardware interrupts. **10**

Either:

4. a) Compare the 8085 and 8086 μ p. Draw the internal architecture of 8086 μ p and explain the function of execution unit. **10**

OR

- b) State and explain any four logical group of instruction of 8086 μ p. **10**

5. Attempt **any ten** of the followings:

- a) What is PROM? **1**

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| b) Enlist the output devices. | 1 |
| c) What is interfacing? | 1 |
| d) What is stack? | 1 |
| e) Explain register addressing mode in short. | 1 |
| f) What is immediate addressing mode? | 1 |
| g) What is branching? | 1 |
| h) List any two instruction in Arithmetic group. | 1 |
| i) What is the use of delay loop? | 1 |
| j) What is Queue? | 1 |
| k) What is flag register? | 1 |
| l) What is Assembly language? | 1 |
