

EXTRA

V.P. & R.P.T.P SCIENCE COLLEGE  
INTERANAL EXAM  
T.Y.B.Sc (SEM.-V) ELECTRONICS  
SUB. CODE:-US05CELE03

DATE:-05/10/2017

TIME :- 11:00 am to 12:30 pm

MARKS-25

- Q-1 Choose correct answer [3]
- 8085 microprocessor has \_\_\_\_\_.  
(A) 40 pin (C) 14pin  
(B) 20 pin (D) 8pin
  - Following are control signals of 8085 up.  
(A)  $\overline{WR}$  and  $\overline{RD}$  (C)  $S_0$  and  $S_1$   
(B) SOD, SID (D) none
  - \_\_\_\_\_ is machine control instruction.  
(A) RET (C) NOP  
(B) JNC (D) none



- Q-2 Short answer type question.(attempt any two) [4]
- List pins of interrupt control section of 8085 microprocessor.
  - Define program and software.
  - State characteristics of logical instruction.

- Q-3 Draw architectural block diagram of 8085 microprocessor and briefly discuss each section of it. [6]

OR

- Q-3 Discuss concept of generating control signals of 8085 up with necessary diagram. [6]

- Q-4 Discuss different data transfer and arithmetic instructions with suitable illustration [6]

OR

- Q-4 A. Write a programme to load two different numbers in two registers. Now subtract one number from another such that carry flag will set and display the answer at port 1. [3]  
B. State different addressing mode of 8085 microprocessor with example. [3]

- Q-5 Discuss different logical instruction with illustration [6]

OR

- Q-5 Discuss classification of instructions according to word size. [6]