

Reg No.

B.E./ B.Tech (Full Time) DEGREE END SEMESTER EXAMINATION, NOV / DEC 2012

ELECTRONICS AND COMMUNICATION ENGINEERING BRANCH

FIFTH SEMESTER

EC372 – MICROPROCESSOR AND ITS APPLICATIONS

(REGULATIONS: 2004)

Time: Three hours.

Maximum: 100 marks

Answer All Questions.

Part A

10 X 2 = 20 Marks.

1. Explain the instruction RAL available in 8085.
2. What is a machine cycle?
3. What is a string instruction?
4. Define pipelining.
5. Give power on reset circuit for 8051.
6. List the flags available in 8051.
7. What is cycle stealing in DMA operation?
8. What is a matrix key board?
9. How to interface high power device with microcontroller?
10. What is an alpha numeric display?

Part B

5 X 16 = 80 Marks.

- 11(a).(i). With a neat diagram explain maximum and minimum mode operation of 8086. (8 Marks).
- (ii). Briefly explain the addressing modes of 8086 microprocessor. (8 Marks).
- 12.(a) With a neat diagram explain the architecture of 8085 microprocessor. (16 Marks).

(OR)

P.T.O