Unit 12 - Week 10: Programmable Interrupt Controller (8259)

Assignment 10

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Due on 2020-04-06, 23:59 IST.

1) Assuming that the interrupt request IRy has just been serviced in automatic rotation mode, then the next highest priority will be assigned to IRx.
   - IRy
   - IRz
   - IRx

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: [IRy]

2) In automatic end of interrupt,
   - 8259A meets the highest priority in-service register (ISR) bit
   - The command specifies which ISR bit to be reset

   8259A meets the lowest priority in-service register (ISR) bit

   No command is necessary, during the INTx the ISR bit is reset

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: No command is necessary, during the INTx the ISR bit is reset

3) In which of the following modes the ISR does not have information on which IR is being serviced
   - Nonspecific EOI
   - Specific EOI
   - Automatic EOI
   - None of the above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Automatic EOI

4) Which of the following is used in cascading mode of 8259A
   - IOW 1
   - IOW 2
   - IOW 3
   - IOW 4

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: IOW 3

5) If the port address of the 8259A for ICW 2 is 81H, then the port address of ICW 3 would be
   - 82H
   - 81H
   - 82H
   - 83H

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: 82H

6) If the chip select of 8259A is generated using \( CS = A_5 \overline{A}_4 A_3 A_2 A_1 A_0 \), then the port address of operation command word (ICW 2) would be
   - 48H
   - 4BH
   - B7H
   - B9H

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: 4BH

7) If INTY is loaded into ICW 1 of 8259A, then the 8259A operates in
   - Single mode with call address interval of 4
   - Single mode with call address interval of 8
   - Cascade mode with call address interval of 4
   - Cascade mode with call address interval of 8

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: Single mode with call address interval of 4

8) If INTY is loaded into ICW 1 of 8259A, then
   - IRx is masked
   - IRy is masked
   - IRz is masked
   - IRy is masked

   No, the answer is incorrect.
   Score: 0
   Accepted Answers: IRy is masked