

Department of Electronics & Communication Engineering

Faculty of Engineering, Integral University, Lucknow

Quiz 1

Mechatronics (IEME-024)

Candidate Name :

Time : 10

Minutes

University Roll Number & Group:

Date : August 19, 2015

Maximum Marks : 10

Year : Pre Final Year Mechanical Engineering

Note : Attempt all the question. All question carry equal marks.

1. In 3: 8 decoder the no. of inputs are

- a) 8
- b) 3
- c) 1
- d) 2

2. Sequential circuit has :

- a) feedback
- b) no feedback
- c) may or may not
- d) none of these

3. Counter ;

- a) it counts the no. randomly
- b) it counts the no. sequentially
- c) both a and b
- d) none of these

4. What is asynchronous counter :

- a) each flip-flop has it own clock
- b) all the flip-flop are combined to common clock
- c) both a and b
- d) none of the above

5. UP Counter is :

- a) it counts in upward manner
- b) it count in down ward manner
- c) it counts in both the direction
- d) none of the above

6. DOWN counter is:

- a) it counts in upward manner
- b) it count in down ward manner
- c) it counts in both the direction
- d) none of the above

7. A Karnaugh map with 4 variables has :

- (a) 2 cells
- (b) 4 cells
- (c) 8 cells
- (d) 16 cells

8. The radix for octal system is :

- a. 1
- b. Log, 6
- c. 6
- d. 8

9. For a level input sequential circuit :

- a) output in a level only
- b) output is in the pulse form
- c) output may be a pulse or a level form
- d) none of these

10. Bode plot is used for