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1. In an open loop control system

- (a) Output is independent of control input
- (b) Output is dependent on control input
- (c) Only system parameters have effect on the control output
- (d) None of the above

Ans: a

2. For open control system which of the following statements is incorrect ?

- (a) Less expensive
- (b) Recalibration is not required for maintaining the required quality of the output
- (c) Construction is simple and maintenance easy
- (d) Errors are caused by disturbances

Ans: b

3. A control system in which the control action is somehow dependent on the output is known as

- (a) Closed loop system
- (b) Semiclosed loop system
- (c) Open system
- (d) None of the above

Ans: a

4. In closed loop control system, with positive value of feedback gain the overall gain of the system will

- (a) decrease
- (b) increase
- (c) be unaffected
- (d) any of the above

Ans: a

5. Which of the following is an open loop control system ?

- (a) Field controlled D.C. motor
- (b) Ward leonard control
- (c) Metadyne
- (d) Stroboscope

Ans: a

6. Which of the following statements is not necessarily correct for open control system ?

- (a) Input command is the sole factor responsible for providing the control action
- (b) Presence of non-linearities causes malfunctioning
- (c) Less expensive
- (d) Generally free from problems of non-linearities

Ans: b

7. In open loop system

- (a) the control action depends on the size of the system
- (b) the control action depends on system variables
- (c) the control action depends on the input signal
- (d) the control action is independent of the output

Ans: d

8. has tendency to oscillate.

- (a) Open loop system
- (b) Closed loop system
- (c) Both (a) and (b)
- (d) Neither (a) nor (b)

Ans: b

9. A good control system has all the following features except

- (a) good stability
- (b) slow response
- (c) good accuracy
- (d) sufficient power handling capacity

Ans: b

10. A car is raining at a constant speed of 50 km/h, which of the following is the feedback element for the driver ?

- (a) Clutch
- (b) Eyes

- (c) Needle of the speedometer
- (d) Steering wheel
- (e) None of the above

Ans: c