

Automatic Control Systems MCQ Questions & Answers | Electrical Engineering

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Important Theory

36. Which of the following is correct?

- A.

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Speed torque characteristics of permanent magnet dc servomotor is more flat than that of wound field dc servomotor
- B.

☐

Speed torque characteristics of wound field dc servo- motor is more flat than that of per-manent magnet dc servo motor
- C.

☐

Speed torque characteristics of wound field and permanent magnet dc servomotor are equally flat
- D.

☐

None of the above

Answer & Solution

Discuss in Board

Save for Later

37. The distance of poles from origin depends on

- A.

☐

Uqndamped natural frequency
- B.

☐

Damping ratio
- C.

☐

Both A and B
- D.

☐

Neither A nor B

Answer & Solution

Discuss in Board

Save for Later

Answer & Solution

Answer: Option A

No explanation is given for this question [Let's Discuss on Board](#)

38. The permanent magnet field system of brushless dc servo- motor is generally on

- A.

☐

Stator
- B.

☐

Rotor
- C.

☐

Partly on stator and partly on rotor
- D.

☐

Either (a) or (b)

Answer & Solution

Discuss in Board

Save for Later

Answer & Solution

Answer: Option B

No explanation is given for this question [Let's Discuss on Board](#)

39. For any transfer function, the constant phase angle loci are

- A.

☐

A family of circles
- B.

☐

A family of straight lines
- C.

☐

Either (a) or (b)
- D.

☐

Neither (a) nor (b)

Answer & Solution

Discuss in Board

Save for Later

Answer & Solution

Answer: Option A

No explanation is given for this question [Let's Discuss on Board](#)

40. The addition of a pole to the open loop transfer function pulls the root locus

- A.

☐

To the right
- B.

☐

To the left and making the system more stable
- C.

☐

Towards right or left depending on the position of new pole
- D.

☐

None of the above

Answer & Solution

Discuss in Board

Save for Later

Answer & Solution

Answer: Option A

No explanation is given for this question [Let's Discuss on Board](#)

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