

QUIZ – ANSWER KEY

QUIZ NO: 150

TOPIC: ELECTRICAL ENGINEERING

DATE: 16/01/2023

1. Which of the following is the best braking method?

- [A] Friction
- [B] Electromechanical action
- [C] Eddy-currents
- [D] Electric braking

Answer: D

2. Which of the following is not the method of electrical braking?

- [A] Plugging or counter-current
- [B] Dynamic or rheostatic
- [C] Regenerative
- [D] Eddy current

Answer: D

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3. Which of the following is the plugging method of braking?

- [A] Reversal of field connections
- [B] Reversal of armature connections
- [C] Addition of equal and opposite field
- [D] Removal of field circuit from current machine circuit

Answer: B

4. Electrical braking of any variety becomes less effective as _____?

- [A] Speed increases
- [B] Speed decreases
- [C] Independent of speed
- [D] Depends on supply voltage

Answer: B

5. Plugging is applied in a motor, if we don't make the switch OFF what will happen?

- [A] Motor will come to rest as a result of plugging
- [B] Motor will come to rest and will start rotating in another direction
- [C] Motor will burn
- [D] Nothing will happen

Answer: B

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6. Plugging is used in _____?

- [A] Small motors only
- [B] Small and medium powered
- [C] Only in large heavy machines
- [D] Everywhere

Answer: A

7. Which of the following is dynamic braking?

- [A] Reversal of field connections
- [B] Reversal of armature connections
- [C] Addition of equal and opposite field
- [D] Removal of armature circuit from current machine circuit

Answer: D

8. Braking time in the dynamic braking is the function of _____?

- [A] System inertia
- [B] Load torque
- [C] Motor rating
- [D] All- system inertia, load torque and motor rating

Answer: D

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9. In dynamic braking, when braking is applied system acts as _____?
- [A] Freely running machine
 - [B] Motor with slow speed
 - [C] Generator
 - [D] Motor with same speed in opposite direction

Answer: C

10. In which of the following electrical braking method, energy is supplied back to the supply?
- [A] Plugging
 - [B] Dynamic braking
 - [C] Regenerative braking
 - [D] In all electrical braking

Answer: C

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