

## QUIZ – ANSWER KEY

**QUIZ NO: 84**

**TOPIC: ELECTRICAL ENGINEERING**

**DATE: 23/06/2022**

1. Which of the following will improve the mutual coupling between primary and secondary circuits?

- [A] Transformer oil of high break down voltage
- [B] High reluctance magnetic core
- [C] Winding material of high resistivity
- [D] Low reluctance magnetic core

**Answer: D**

2. Inter pole winding is connected in -----

- [A] series with armature
- [B] series with main poles
- [C] parallel with armature
- [D] parallel with main poles

**Answer: A**

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3. The direction of the current in the compensating winding is \_\_\_\_\_ to the direction of current in the armature conductors ?

- [A] same
- [B] exactly opposite
- [C] either of these
- [D] none of the above

**Answer: B**

4. Essential conditions for two DC generators are connecting for parallel operation is/are

- [A] terminal voltage should be the same
- [B] polarities should be the same
- [C] rating of generators should be the same
- [D] both A and B

**Answer: A**

5. Autotransformer makes effective saving on copper and copper losses, when its transformation ratio is equal to

- [A] very low
- [B] less than one
- [C] greater than one
- [D] approx. to one

**Answer: D**

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6. A large series motor is never started without some mechanical load on it because otherwise, it will.....?

- [A] produce sparking at brushes
- [B] open fuse or circuit breaker
- [C] draw too much current
- [D] develop excessive speed and damage itself

**Answer: D**

7. Which of the following statement is TRUE ?

- [A] The equivalent resistance in series combination is larger than the largest resistance in the combination
- [B] The equivalent resistance in series combination is smaller than the largest resistance in the combination
- [C] The equivalent resistance in series combination is equal to the smallest resistance in the combination
- [D] The equivalent resistance in series combination is equal to the largest resistance in the combination

**Answer: A**

8. A magnet is kept in the medium of air surrounded by an iron ring. The magnetic lines of force from the magnet will be?

- [A] Very small in the ring
- [B] Crowded in the ring
- [C] Passing out of the ring
- [D] Evenly distributed within the ring

**Answer: B**

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9. In indicating instrument the springs are mainly used to .....?

- [A] Conduct the current on the coil
- [B] Hold the pivot in position
- [C] Control the pointer movement
- [D] Reduce the vibration of the pointer

**Answer: C**

10. Creeping in a single-phase induction type energy meter may be due to?

- [A] Over Voltage
- [B] Vibrations
- [C] Overcompensation for Friction
- [D] All of the above

**Answer: D**

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