QUIZ – ANSWER KEY

QUIZ 52

TOPIC: ELECTRICAL ENGINEERING

1. A face-plate starter is employed for starting ____ motor

[A] Synchronous

[B] Universal

[C] Direct current series

[D] Induction

Answer: C

2. The function of snubber circuit connected across the SCR is to

[A] suppress dV/dt

[B] increase dV/dt

[C] decrease dV/dt

[D] decrease di/dt

Answer: A

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3. A thyristor can be termed as

[A] AC switch

[B] DC switch

[C] Both A and B

[D] Square wave switch

Answer: B

4. In a hydroelectric generating system, pressure variations due to rapid changes in velocity of water is mitigated using

[A] Tailrace pipe

[B] Penstock

[C] Surge tank

[D] None of the above

Answer: C

5. In 3 - phase power measurement using 2 wattmeter method, both the wattmeters are reading positive and equal. This is because

[A] The load is purely resistive

[B] The load power factor is 0.5

[C] The phase sequence is RBY

[D] The load is purely inductive

Answer: A

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6. For a two-terminal device, resistance decreases when the temperature increases, the device is

   [A] made up of a metal
   [B] a semiconductor
   [C] a dielectric
   [D] None of these

   Answer: B

7. In a synchronous generator, selective elimination of odd harmonics can be done by:

   [A] Distribution of winding
   [B] Symmetrical winding
   [C] Short-chording of winding
   [D] None of these

   Answer: C

8. Smooth cylindrical type rotors with less diameter and large axial length are used for Synchronous generators driven by:

   [A] Water turbines
   [B] Radial turbines
   [C] Steam turbines
   [D] None of these

   Answer: C

QUIZ – ANSWER KEY

9. Which one among the following is TRUE regarding the selection of working flux density in transformer design?

[A] High flux density in the core results into the reduction in core loss

[B] High flux density in the core results into an increase in copper loss

[C] High flux density in the core results into high all-day efficiency

[D] High flux density in the core results into saving in cost of iron

Answer: D

10. To have a smooth, quite running of an induction motor by reducing humming and to prevent cogging, the technique used is called

[A] Camping

[B] Concentrating

[C] Skewing

[D] None of these

Answer: C