QUIZ – ANSWER KEY

QUIZ NO: 68

TOPIC: ELECTRICAL ENGINEERING

DATE: 19/04/2022

1. Inner tube of high pressure mercury vapour lamp has ....

    [A] Helium

    [B] Argon/Xenon

    [C] Neon

    [D] None of the above

    Answer: B

2. Air-cored transformer is a ....

    [A] Non-linear element

    [B] Linear element

    [C] Non-bilateral element

    [D] Active element

    Answer: B

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3. If the self inductance of a coil is high, then

[A] lower induced emf

[B] the produced flux will be greater

[C] longer delay in establishing steady current in it

[D] lesser its weber-turns

Answer: C

4. Continuity between any two points can be measured using _____
[A] ammeter

[B] voltmeter

[C] megger

[D] galvanometer

Answer: C

5. When is the bridge circuit balanced?
[A] When voltage is applied

[B] When current flows through the opposite ends of the bridge circuit

[C] When no current flows through the galvanometer

[D] When impedance is minimum

Answer: C

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6. The change in speed of a DC generator due to increased load is corrected by

   [A] increasing input power of the prime mover

   [B] increasing armature cooling

   [C] increasing armature resistance

   [D] increasing terminal voltage

   Answer: A

7. Sparkless commutation can be achieved by
   [A] employing inter poles
   [B] compensating winding
   [C] high resistance carbon brushes
   [D] any one or more of the above methods

   Answer: D

8. In electrical resistance welding material of electrode should have
   [A] higher electrical conductivities
   [B] higher thermal conductivities
   [C] sufficient strength to sustain high pressure at elevated temperatures
   [D] all of above

   Answer: D

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9. The illumination of the surface varies directly with cosine of the angle between normal to surface and direction of the inclined light is given by

   [A] law of square inverse

   [B] Lambert's cosine law

   [C] both A and B

   [D] none of the above

   Answer: B

10. FPGA means

    [A] Field Programmable Gate Array

    [B] Forward Programmable Gate Array

    [C] Forward Parallel Gate Array

    [D] Field Parallel Gate Array

    Answer: A

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