Quiz ((8)) DC Machines (2)

Questions Responses 73 Total points: 10

Section 1 of 2

Quiz 8 DC Machines (2)

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Section 2 of 2

Quiz 8 DC Machines (2)

Quiz MCQ Questions

The incorrect statement for DC Motor is *

- DC Motor may also be Long shunt Compounded Motor
- Torque produced in DC Motor is known as Counter Torque
- Back emf is induced in DC Motor whose direction is given by Fleming's Right hand rule
- conceptually, A DC Motor can also be run as DC generator

induction of emf in a conductor, kept on a magnetic field, if there is relative motion between conductor and Field, is *

- Either Generating or Motoring action
- Motoring Action
- Generating Action
- Both Generating and Motoring action

Find incorrect statement for DC Generator *

- In a commutator based DC generator, armature is on Rotor,
- Armature coil ends, in a DC generator, are connected to the segments of Commutator
- The Main field in a DC Generator is produced by Armature Coil
- The Field Coils produce the main Field in DC Generator

Find incorrect statement about DC machines *

- Counter Torque is produced in DC Motor and Back emf is produced in DC Generator
- Counter Torque is produced in DC Generator and Back emf is produced in DC motor
- Counter Torque is produced due to motoring action in a DC Generator
- Back emf is produced due to Generating action in a motor

Find incorrect statement about DC machine windings *

- WIndings are differentiated depending upon placement and connection to the commutator segments.
- There are two types of armature wingdings: LAP and Wave
- For LAP winding no of poles is equal to no of parallel paths and for Wave winding No poles is equal to 2
- For LAP winding No of parallel paths is equal to 2 and for wave winding no of Parallel Paths is equal to ...

find the incorrect statement about the yoke of a DC Machine *

- It provides return path to the flux of DC machine field

- The salient poles are bolted with this Yoke
- Yoke produces the main field required for DC machine operation

Fleming's Right hand Rule and Fleming's Left hand Rule are respectively not related with *

- Generating action and Motoring Action
- Motoring Action and Generating action
- Induced Voltage (in a coil having relative motion between it and field) and Lorentz Force produced
- Yoke produces the main field required for DC machine operation

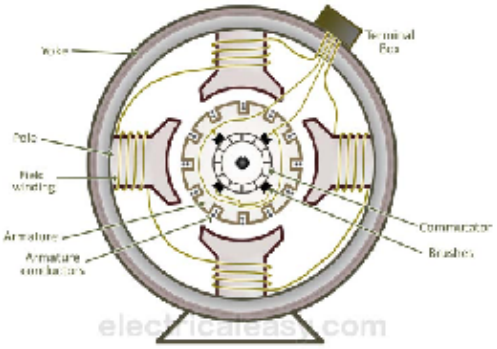
Find incorrect statement about Brushes in a DC machine *

- Brushes are placed at the inter-polar axis.
- All brushes are connected in such a way to make only one +ve and one -ve brush terminal.
- The Brush axis is at quadrature of Field axis.
- The Brushes are placed along the axis of Magnetic Field

In a Lap wound DC Machine the number of parallel paths are 6. The Machine has *

- 4 Poles
- 6 poles
- 2 poles
- None of the above

In THe following DC Machine the number of poles, no of armature slots, no of carbon brushes, no of field coils are *



- 4,12,4,4
- 2,4,12,2
- 4,12,4,2
- None of the above