Started on	Tuesday, 27 April 2021, 10:20 AM
State	Finished
Completed on	Tuesday, 27 April 2021, 10:38 AM
Time taken	18 mins 1 sec
Grade	**9.00** out of 12.00 (**75%**)

Question 1
Incorrect
Mark 0.00 out of 2.00

Which of the following statement is true with respect to back emf.

Select one:

- a. Back emf is less than terminal voltage of motor
- b. Back emf is greater than terminal voltage of motor ✖
- c. Back emf is maximum when the machine is at rest
- d. none of the options

The correct answer is: Back emf is less than terminal voltage of motor

Question 2
Correct
Mark 1.00 out of 1.00

The synchronously rotating magnetic field runs in

Select one:

- a. Outside rotor
- b. Outside stator
- c. None
- d. Air gap ✔

The correct answer is: Air gap

Question 3
Correct
Mark 1.00 out of 1.00

Which of the induction motors has copper bars in rotor?

Select one:

- a. None
- b. Slip ring and squirrel cage rotor
- c. Slipring induction motor
- d. Squirrel cage rotor ✔

The correct answer is: Squirrel cage rotor

Question 4
Correct
Mark 1.00 out of 1.00

The magnitude of the rotating magnetic field is------- times maximum flux in one of the phase

Select one:
- a. 1.5 ✔
- b. 1
- c. 2
- d. 0.75

The correct answer is: 1.5

Question 5
Correct
Mark 1.00 out of 1.00

The frequency of the currents flowing through rotor during running condition is

Select one:
- a. Slip frequency ✔
- b. None of these
- c. Supply frequency
- d. Zero

The correct answer is: Slip frequency

Question 6
Correct
Mark 1.00 out of 1.00

The direction of generated EMF is determined by

Select one:
- a. Faraday's law of electromagnetic induction
- b. Lenz's law
- c. Flemings right hand rule ✔
- d. Fleming's left hand rule

The correct answer is: Flemings right hand rule

Question 7
Incorrect
Mark 0.00 out of 1.00

Which of the following is an integrating instrument?

Select one:
- a. Ammeter ✖
- b. Voltmeter
- c. Ampere-hour and watt-hour meters
- d. Wattmeter

The correct answer is: Ampere-hour and watt-hour meters

Question 8

Correct

Mark 2.00 out of 2.00

The function of pole shoe in a DC machine is

Select one:

- a. None of the options
- b. To protect feild winding from escaping and To provide uniform magntic field in the air gap ✔
- c. To protect feild winding from escaping
- d. To provide uniform magntic field in the air gap

The correct answer is: To protect feild winding from escaping and To provide uniform magntic field in the air gap

Question 9

Correct

Mark 2.00 out of 2.00

The number of parallel paths in wave wound armature winding in a DC machine is____

Select one:

- a. 4
- b. 2 ✔
- c. none of the options
- d. number of poles of machine

The correct answer is: 2

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www.vrsiddhartha.ac.in

www.vrsiddhartha.ac.in

+91 866 2582333,2584930

principal@vrsiddhartha.ac.in