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Ac Generator MCQ Quiz

Take Ac Generator Quiz To test your Knowledge

Below is the list of **Ac Generator MCQ** test that checks your basic knowledge of Ac Generator. This **Ac Generator Test** contains around 20 questions of multiple choice with 4 options. You have to select the right answer to a question. You can see the correct answer by clicking the view answer link.

Q1. When a coil rotated in magnetic field the induced current in it -

- A. remains same
- B. becomes zero
- C. becomes maximum
- **D. continuously changes**

Q2. Metal detectors installed at airports and other places for security purpose are based on the principle of -

- **A. electromagnetic induction**
- B. electromagnetic difference
- C. potential difference
- D. potential energy

Q3. In alternative current generator, AC current reverses its direction -

- A. 10 times per second
- B. 20 times per second
- **C. 50 times per second**
- D. 40 times per second

Q4. What Are The Two Main Parts Of An Ac Generator?

- A. Stator
- B. Rotor

- **C. Both 1 & 2**
- D. None of these

Q5. AC Generator converts _____

- A. Mechanical energy to electrical energy
- **B. Electrical energy to Mechanical energy**
- C. Electro energy to Mechanical energy

Q6. Which of following is not a components of an AC generator

- A. Field
- B. Armature
- C. Prime Mover
- **D. Starter**

Q7. What determines the frequency of a.c. produced by a generator?

- A. The number of rotations of coil in one-second
- B. A speed of rotation coil
- **C. Both A and B**
- D. None of the these

Q8. An electric generator that converts mechanical energy into electrical energy in form of alternative emf or alternating current is called -

- A. DC Generator
- **B. AC Generator**
- C. Generator
- D. Both 1 & 2

Q9. AC generator works on the principle of Electromagnetic Induction.

- **A. True**
- B. False

Q10. An Ac generator consists of _____ poles.

- **A. 2**
- B. 1
- C. 3
- D. 4

Q11. What replacement is required to convert an AC generator to DC generator?

- A. Concave magnets with horseshoe magnet
- B. Armature with coil
- **C. Slip rings with split rings**
- D. None of the Above

Q12. What determines the frequency of a.c. produced by a generator?

- A. A speed of rotation coil
- B. The number of rotations of coil in one-second
- **C. Both 1 & 2**
- D. None of These

Q13. In AC Generator there is also a coil which is _____ in shape that is the armature.

- A. Circle
- **B. Rectangular**
- C. Square
- D. Hexagon

Q14. In AC Generator the slip rings are made of _____ and are insulated from each other.

- A. Wood
- B. clay
- **C. metal**
- D. All of the above

Q15. Ac generator consists of two poles . What is the name to these poles? is the north pole and south pole

- A. North Pole
- B. South Pole
- **C. Both 1 & 2**
- D. None of the Above

Q16. In AC Generator the value of the voltage generated depends on -

- A. the number of turns in the coil.
- B. the number of turns in the coil.
- C. strength of the field.
- **D. All of the above**

Q17. The direction of induced emf's or current is indicate by _____.

- A. fleming's left hand rule
- **B. Fleming's right-hand rule**
- C. Faraday's law of electromagnetic induction
- D. None of These

Q18. The AC Generator is a set of magnets mounted on a rotating axis.

- **A. True**
- B. False

Q19. Three-phase alternators are invariably Y-connected because -

- A. Smaller conductors can be used
- B. Magnetic losses are minimised
- C. Higher terminal voltage is obtained
- **D. Less turns of wire are required**

Q20. Three-phase alternators are invariably star-connected because

- A. higher terminal voltage is obtained
- B. small conductors can be used
- **C. less turns of wire are required**
- D. magnetic losses are the minimum

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