

WTT Practice Test Questions and Answers

1. What does the gearbox in a wind turbine do?

- A) It increases the rotational speed for the generator.
- B) It converts mechanical energy into electrical energy.
- C) It controls the turbine's direction.
- D) It stops the turbine blades during high winds.

2. What is the function of the yaw system in a wind turbine?

- A) To regulate the speed of the blades.
- B) To control the direction of the turbine.
- C) To store excess energy.
- D) To prevent overheating of the generator.

3. What is the purpose of the braking system in wind turbines?

- A) To regulate the turbine's electrical output.
- B) To slow down the blades in case of high wind speeds.
- C) To prevent the generator from overheating.
- D) To stop the turbine during maintenance.

4. What is the role of the pitch control system in wind turbines?

- A) To adjust the speed of the generator.
- B) To regulate the temperature of the generator.
- C) To change the angle of the blades to control rotor speed.
- D) To monitor the electrical grid.

Answers: 1-A 2-B 3-D 4-C

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