Assignment 7

The due date for submitting this assignment has passed.

As per records you have not submitted this assignment.

1. Wind is produced due to ______
   - rotation of the earth
   - absorption of solar energy on the earth’s surface and atmosphere
   - variations in the earth’s surface
   - all of the above
   No, the answer is incorrect. Score: 6
   Accepted Answers: all of the above
   1 point

2. During global convective circulation, cold wind moves from ______
   - polar to equatorial region
   - equatorial to polar region
   - equatorial to season region
   - season to equatorial region
   No, the answer is incorrect. Score: 6
   Accepted Answers: polar to equatorial region
   1 point

3. What is the earliest recorded use of wind energy?
   - generating electricity
   - pumping water
   - four mills
   - industrial heating
   No, the answer is incorrect. Score: 6
   Accepted Answers: pumping water
   1 point

4. Wind energy can be used to ______
   - generate electricity
   - attend sluice systems for home and business
   - pump underground water
   - all of the above
   No, the answer is incorrect. Score: 6
   Accepted Answers: all of the above
   1 point

5. Wind energy is harnessed as ______ energy with the help of wind turbine.
   - mechanical
   - solar
   - electrical
   - thermal
   No, the answer is incorrect. Score: 6
   Accepted Answers: mechanical
   1 point

6. Which type of windmill has better performance?
   - Savonius type wind machines
   - Darrieus type wind machines
   - Horizontal type wind machines
   - All of the above
   No, the answer is incorrect. Score: 6
   Accepted Answers: Horizontal type wind machines
   1 point

7. Frictional force acting on the wind turbine blades is ______
   - centripetal force
   - drag force
   - lift force
   - centrifugal force
   No, the answer is incorrect. Score: 6
   Accepted Answers: drag force, lift force
   1 point

8. A wind turbine extracts maximum power from wind, when the downstream wind speed reduces to ______
   - one third of its free stream velocity
   - half of its free stream velocity
   - two thirds of its free stream velocity
   - zero
   No, the answer is incorrect. Score: 6
   Accepted Answers: one third of its free stream velocity
   1 point

9. During the day, the air above the water heats up more quickly than the air over the land surface.
   - True
   - False
   No, the answer is incorrect. Score: 6
   Accepted Answers: False
   1 point

10. Damper type windmills have vertical type of rotor axle
    - True
    - False
    No, the answer is incorrect. Score: 6
    Accepted Answers: True
    1 point