Assignment 4

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

1. Which pigment is responsible for absorption of light in plants?
   - Chlorophyll
   - Elarac
   - Xylen
   - None of the answers is incorrect.
   - Score: 0
   - Accepted Answers: Chlorophyll

2. Which metal is present in Chlorophyll?
   - Iron
   - Copper
   - Magnesium
   - None of the answers is incorrect.
   - Score: 0
   - Accepted Answers: Magnesium

3. Which type of DSSC is true for DSSC?
   - Inset limited option
   - Non-transparent module
   - Low power generation cost
   - None of the answers is incorrect.
   - Score: 0
   - Accepted Answers: Low power generation cost

4. Which material is used as redox mediator in DSSC?
   - L3O4
   - Iron/MnO2/100
   - ZnO
   - Arsilica
   - None of the answers is incorrect.
   - Score: 0
   - Accepted Answers: ZnO

5. True statement for nanocrystal.
   - No confinement
   - Small surface to volume ratio
   - Size dependent band gap
   - High melting point
   - None of the answers is incorrect.
   - Score: 0
   - Accepted Answers: Size dependent band gap

6. Which is an natural dye pigment?
   - NO
   - N719
   - Anthracene
   - ZnO
   - None of the answers is incorrect.
   - Score: 0
   - Accepted Answers: Anthracene

7. The size of quantum dot is:
   - 5nm
   - 10nm
   - 15nm
   - 20nm
   - None of the answers is incorrect.
   - Score: 0
   - Accepted Answers: 10nm

8. What is the Limitation of liquid electrolyte in DSSC?
   - Easy preparation
   - Solid leakage
   - Low viscosity
   - High conductivity
   - None of the answers is incorrect.
   - Score: 0
   - Accepted Answers: Solid leakage

9. What is the desirable property of sensitizer?
   - Low absorption coefficient
   - High photo stability
   - Wide range of spectrum
   - None of the answers is incorrect.
   - Score: 0
   - Accepted Answers: Wide range of spectrum

10. In 3D quantum dot motion of electron is restricted from:
    - One direction
    - Two directions
    - Zero direction
    - All directions
    - None of the answers is incorrect.
    - Score: 0
    - Accepted Answers: One direction