Unit 12 - Week 11

Assignment 11

The due date for submitting the assignment has passed.

Due on 2020-09-15, 23:59 IST.

More than one answer may be correct. Partial marks are awarded if only some of the correct answers are selected. No marks awarded if none of the correct answers are selected.

1. Most leaves and flowers use ... and ... metabolically. * 1 point
   - Light, Card
   - Soil, Gap
   - Sun, Leaf

2. The growth is inhibited. * 1 point
   - Ethylene
   - Abscisic Acid

3. Both conductivity of most of the electrodes ... on increasing the temperature. * 1 point
   - Decrease
   - Increase
   - Remains constant
   - Varies randomly

4. Among the all the fuel cells, ... generates water at the ... * 1 point
   - SOFC, CFC
   - PEM, CFC
   - SOFC, PEM
   - CFC, PEM

5. PEFC and SOFC differ significantly on an issue such as ... * 1 point
   - Pressure of electrolyte
   - Operating temperature
   - Fuel consumption
   - Location of water generation

6. The growth is inhibited. * 1 point
   - Ethylene
   - Abscisic Acid

7. Operation temperature. * 1 point
   - PEM
   - SOFC

8. Fuel cell processing involves two processes, reforming and cleaning. The following is true regarding these steps * 1 point
   - Reforming is exothermic, but the fuel is hot.
   - Cleaning is better in openness to the fuel.
   - Cleaning process converts COH2 to CO2.
   - During reforming process the inner product is B2O2.

9. The growth is inhibited. * 1 point
   - Ethylene
   - Abscisic Acid

10. C engine and fuel cell power are based on ... and ... sections respectively. * 1 point
    - Fuel consumption, Chemical
    - Chemical, Electrochemical
    - Electrochemical, Mechanical
    - Mechanical, electrochemical

11. The growth is inhibited. * 1 point
    - Ethylene
    - Abscisic Acid

12. The voltage of battery depends on ... of the reaction with current from the battery depends on ... of the reaction. * 1 point
    - Concentration, pH
    - pH, temperature
    - pH, roommate
    - Room temperature

13. Match the following... * 1 point

<table>
<thead>
<tr>
<th>Production Issues</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>[1] Activation issues</td>
<td>Oxygen/membrane conductance has decreased</td>
</tr>
<tr>
<td>[2] Reaction issues</td>
<td>Pathways/substrates in reaction chain blocked</td>
</tr>
<tr>
<td>[3] Transport issues</td>
<td>Membrane/transport/channel blocked</td>
</tr>
</tbody>
</table>

   - A1, B1, C2
   - A2, B2, C1
   - A3, B3, C3
   - A3, B3, C2