

Photosynthesis Test

Marks :30

Time 45 mins

1. Fill in the blanks

1×10=10

- Optimum temperature of Photosynthesis is _____.
- Photosynthesis occurs only in the _____ part of Spectrum.
- In photosynthesis the extra glucose is stored in the form of _____ in different part of the plant.
- The process of obtaining readymade food from plants or animals or both is called _____.
- _____ act as passage for carbon di oxide from atmosphere into the leaf and oxygen from the leaf to atmosphere.
- Xylem provides _____ to every cell of leaf.
- Splitting of water into H^+ and OH^- ions due to light energy in the form of photons are called _____.
- The rate of photosynthesis increased when the concentration of Carbon Di Oxide is up to _____.
- Synthesis of glucose from CO_2 and water in presence of sunlight is called _____.
- Green coloured photosynthetic pigment is called _____.

2. Answer the following

1×11=11

- What are Stomata?
- Why the plants are called autotrophs?
- What is Photosynthesis?
- What is Guard Cell?
- On which color of lights photosynthesis is maximum and minimum?
- What is Translocation?
- What is Nutrition?
- Name the raw materials are needed photosynthesis?
- What are the significant of Photosynthesis?
- What are the uses of Xylem and Phloem in Photosynthesis?
- What are the end products of photosynthesis?

3. Answer the following in brief.

3×3=9

- What are the basic processes of Photosynthesis?
- Explain the mechanism of opening and closing of stomata, with diagram.
- Which factors affects the process of photosynthesis. Describe any of two between them.