

REVISION PRACTICE ASSIGNMENT (RPA)

SUBJECT-BIOLOGY

SESSION-2020-21

CLASS-X

TOPIC: NUTRITION IN PLANTS (LIFE PROCESSES)

Q.1 Choose the correct answer : -

a) The chlorophyll in photosynthesis is used for

- i. Absorbing light
- ii. Breaking down water molecule
- iii. No function
- iv. Reduction of CO₂

b) Main site of photosynthesis

- i. Leaf
- ii. Stem
- iii. Chloroplast
- iv. Guard cells

c) To study light is necessary for photosynthesis portion of leaf covered with black paper

- i. turns blue black on adding iodine solution
- ii. turns pink on adding starch solution
- iii. do not change on adding iodine solution
- iv. turn blue black on adding starch solution

d) Carbohydrates in the plants are stored in the form of

- i. Glycogen
- ii. Starch
- iii. Glucose
- iv. Maltose

e) Which is incorrect from the following

- i. KOH is kept in the small tube in the flask
- ii. CA(OH)₂ is kept in the small tube in the flask
- iii. the apparatus is made airtight
- iv. Water rises in the delivery tube

Q.2. Answer the following question in one word/sentence.

- a) Define photolysis.
- b) What are the end products of photosynthesis?
- c) Write the full form of ATP.
- d) Write the balanced equation for the process of photosynthesis.
- e) Mention the raw materials required for photosynthesis.

Q.3. Answer the following questions in 2-3 sentences.

- a) list the events that occur during the process of photosynthesis.
- b) Differentiate between autotrophic and heterotrophic mode of nutrition.
- c) List the factors affecting photosynthesis.

Q.4. Draw a labelled diagram to show opening and closing of stomata.