

T SHORT ANSWER TYPE QUESTIONS:

Q.1 How does a parasite differ from a saprotroph? (TB Q:2)

Ans. PARASITE	SAPROTROPH
*The plants which derive their food from the bodies of the host plants and animals are called Parasites or parasitic plants.	*The plants which derive their food from the dead and decaying organic matter are called saprotrophs or saprophytes or saprotrophic plants.

Q.2 To test the presence of starch, the leaf is boiled. Why? (TB Q:3)

Ans. To test the presence of starch, the leaf is boiled, because it helps to extract chlorophyll and help to remove the green colour of the leaves.

Q.3 What is shown in the given figure? Label the parts A and B in the given figure.

Figure: Refer TB pg.no.22 (TB Q:5)

Ans. Stomata
A → Guard cell
B → Stomatal pore

Q.4 Why do some plants feed on insects?

Ans. Insectivorous plants grow in soil which lack

nitrogen, therefore they feed on insects to fulfill their need of nitrogen.

Q5 How do fungi grow and develop?

Ans. The fungal spores are generally present in the air. When they land on wet and warm things they germinate and grow.

II LONG ANSWER TYPE QUESTIONS:

Q1. Differentiate between nutrients and nutrition. Name the nutrients plants synthesise. (TB Q1)

Ans. Nutrients are substances that are needed by our body for proper growth and healthy body function whereas the process of taking food and its utilisation by the body is called nutrition.

The nutrients that plants synthesise are

- * glucose
- * fats
- * protein

Q2 Name the type of nutrition in following plants:

a) Wheat b) Sundew c) Breadmould d) Venus flytrap e) Algae

(TB Q4)

Ans a) Wheat	- Autotrophic nutrition
b) Sundew	- Insectivorous nutrition
c) Bread mould	- Saprophytic nutrition
d) Venus flytrap	- Insectivorous nutrition
e) Algae	- Autotrophic nutrition

Q3. What kind of relationship exists between rhizobium bacteria and leguminous plant? (TB Q5)

Ans * Rhizobium bacteria and leguminous plant have a symbiotic relationship.

* Rhizobium fixes atmospheric nitrogen into soluble salts of nitrogen. eg: nitrates, for plants.

* The leguminous plants provide food and shelter for the rhizobium bacteria.

Q4. Wild animals like tiger, wolf, lion and leopard do not eat plants. Does this mean that they can survive without plants? Can you provide a suitable explanation?

Ans * Animals like tiger, wolf, lion and leopard are carnivores and do not eat plants.

* They hunt and eat herbivorous animals like deer, zebra, giraffe, etc. which are dependent on plants for food.

* Carnivores are dependent on plants indirectly.

* If there are no plants, herbivorous animals will not survive and ultimately animals like tiger, wolf, lion and leopard will have nothing to eat.

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II SHORT ANSWER TYPE QUESTIONS:

Q1 : Pg. no. 10

Q4 : Pg. no. 17

III LONG ANSWER TYPE QUESTIONS:

Q2 : Pg. no. 14

Q3 : Pg. no. 11