

## JAYAKRISHNAN EDUTIPS

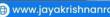
### DAILY STATIC GK QUIZ











🕓 +91 9074564415 🛮 🖻 mail@jayakrishnanramachandran.in 🏻 📵 www.jayakrishnanramachandran.ii

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# **Complex Permanent Tissue**

- **Xylem**: Conducts water and minerals from roots to other parts. Components: tracheids, vessels, fibers, and xylem parenchyma.
- **Phloem**: Transports food from leaves to other parts. Components: sieve tubes, companion cells, phloem fibers, and phloem parenchyma.

#### **Protective Tissue**

- Includes epidermis and cork.
- Epidermis is the outer layer, often covered with a waxy cuticle to reduce water loss.
- Cork forms the outer protective layer in older stems and roots.

# **Specialized Tissue**

Secretory Tissue: Produces substances like resins, latex, or oils.

#### **Function of Tissues**

Support growth, transport nutrients, store food, and provide structural integrity.

## Adaptations

Plant tissues adapt to environmental conditions, such as aerenchyma in aquatic plants for buoyancy or sclerenchyma for rigidity in terrestrial plants.





