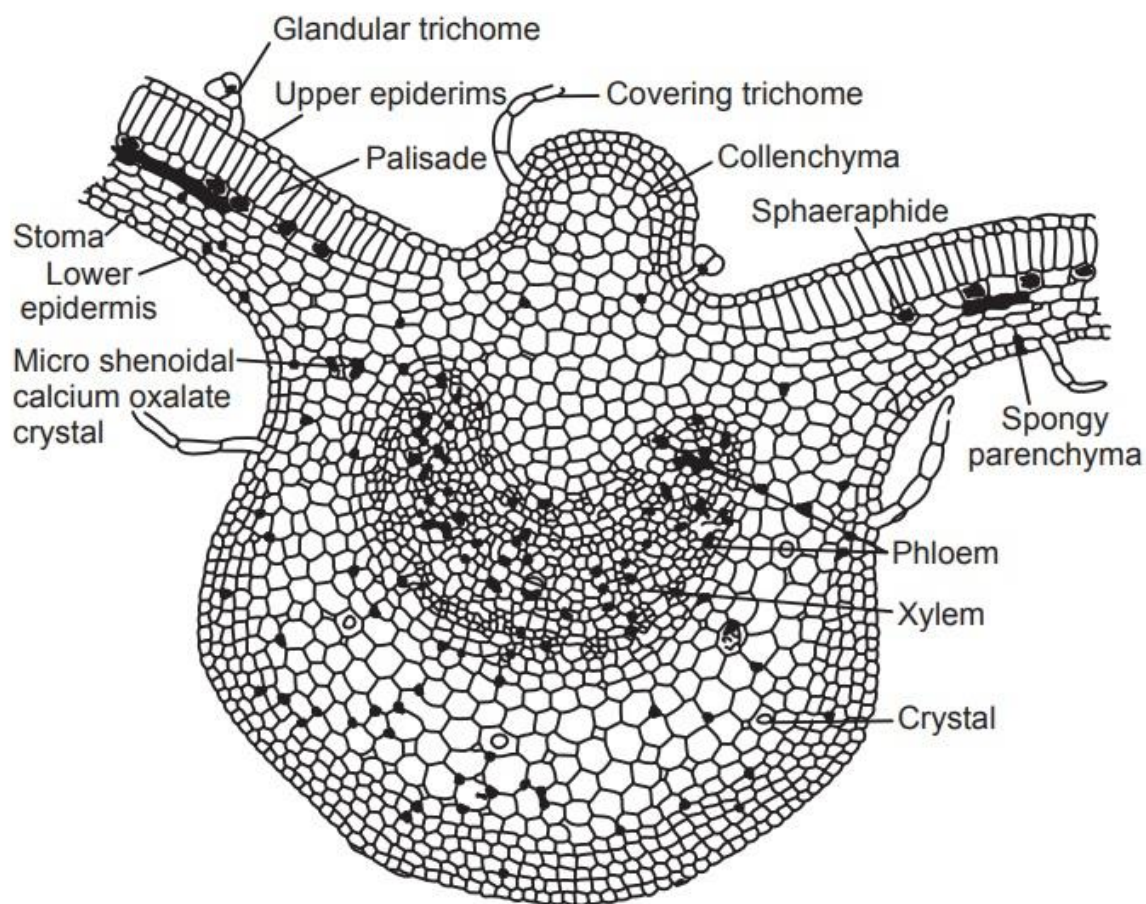


TRANSVERSE SECTION OF DATURA

Practical -17

Date: .../.../.....

GROSS ANATOMICAL STUDIES (TRANSVERSE SECTION) OF DATURA**Aim:** To identify the Transverse Section of Datura.**Reference:**.....
.....**Requirements:**.....**Synonym:** Devil's trumpets, thorn apples or jimsonweeds.**Biological source:** It consists of dried leaves and flowering tops of *Datura metal* Linn. and *Datura metal* var. *fastuosa*.**Family:** Solanaceae**Gross anatomical studies:**

S. No.	Description	Observation
1.	Cork	
2.	Cortex	
3.	Starch grains	
4.	Calcium oxalate	
5.	Phloem	
6.	Xylem	
7.	Fibers	
8.	Sclereids	
9.	Parenchyma	
10.	Trichome	

Report: The given crude drug was identified aswith various histological characters (T.S.).

Questions Bank

1. What are the anatomical studies?
2. Write the biological source of datura.
3. What is crude drug?
4. What is the trichome?
5. What is xylem?
6. What are the starch grains?
7. Which datura part consist of Calcium oxalate crystal?
8. Write the type of trichomes.
9. What is the parenchyma?
10. Draw the microscopical structure of datura.