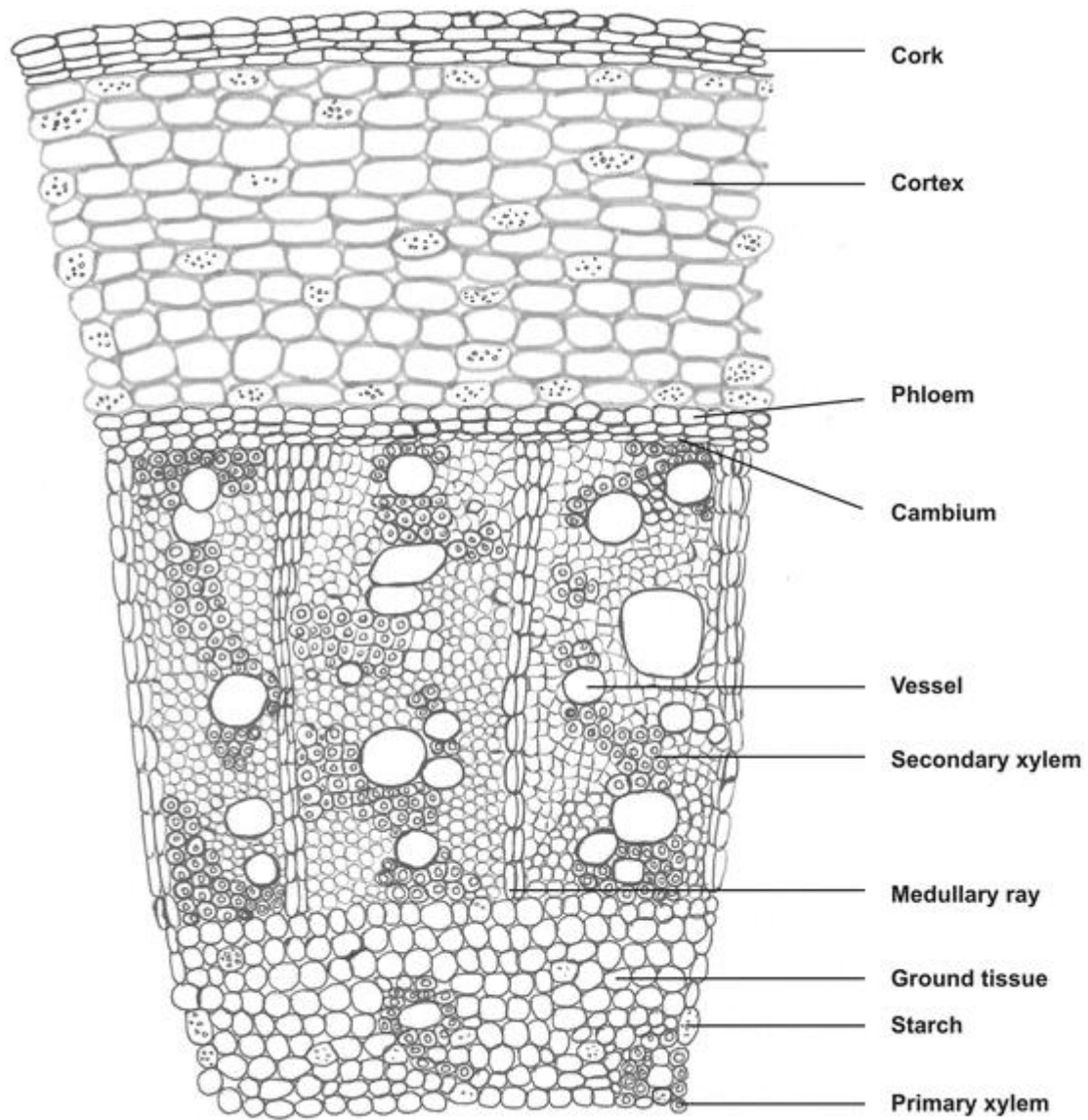


**TRANSVERSE SECTION OF ASHWAGANDHA****T. S. of Ashwagandha root**

**Practical -21**

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

**GROSS ANATOMICAL STUDIES (TRANSVERSE SECTION) OF ASHWAGANDHA**

**Aim:** To identify the Transverse Section of Ashwagandha.

**Reference:**.....  
.....

**Requirements:**.....

**Biological source:** It consists of the dried roots and stem bases of **Withania somnifera Dunal.**

**Family:** Solanaceae

**Gross anatomical studies:**

S. No.	Description	Observation
1.	Cork	
2.	Cortex	
3.	Cambium	
4.	Vascular bundle	
5.	Phloem	
6.	Primary Xylem	
7.	Secondary Xylem	
8.	Starch	
9.	Vittae	
10.	Carpophore	

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

**Questions Bank**

1. What are the anatomical studies of Ashwagandha?
2. Write the biological source of Ashwagandha.
3. What are the uses of Ashwagandha?
4. What is the Cambium?
5. What is the role of cambium in Ashwagandha?
6. What is the primary xylem?
7. What is secondary xylem?
8. What is the vessel?
9. What is the ground tissue?
10. Draw the microscopical structure of Ashwagandha.