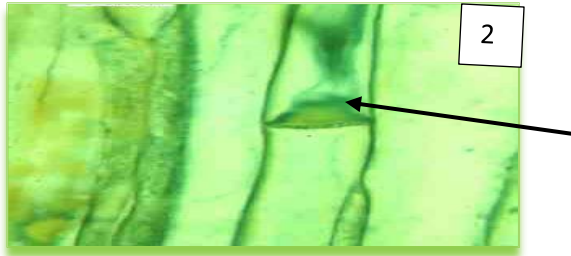
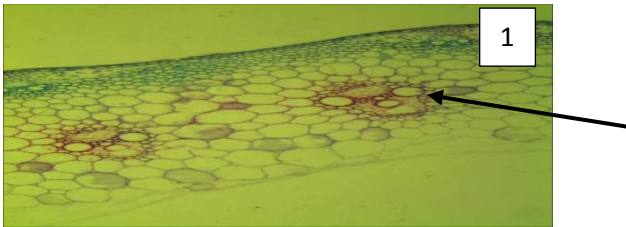


**Practical Plant Anatomy exam**  
**21/4/2022**

**Q1/ Identify the slides and write its scientific names of plants.**



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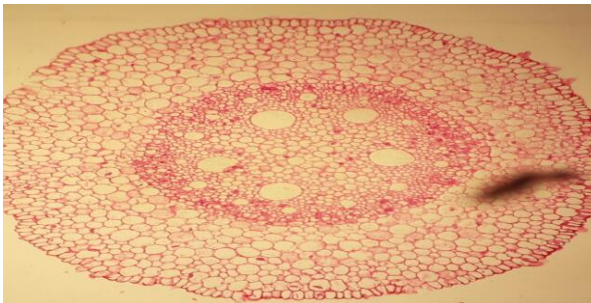
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**Q2/A. Identify the slide and write its scientific name.**



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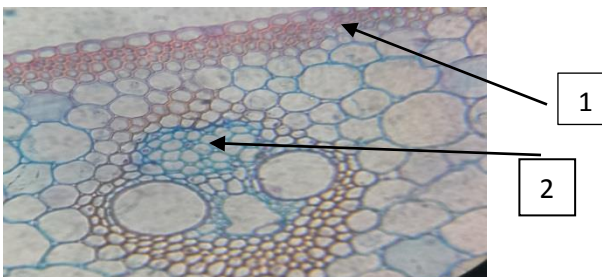
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**Q3/A- Identify the pointed parts and write its scientific name.**



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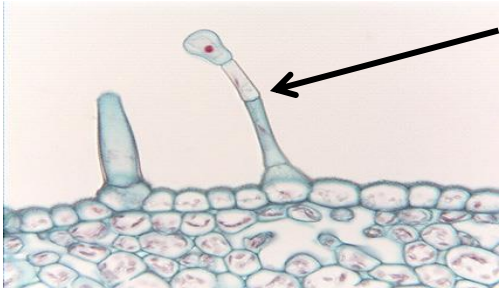
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**B- Q/ Compare between the amphivasal and the amphicribal concentric vascular bundle, with drawing.**

**Q4/A-** Identify the pointed part and write its scientific name.



**B /only count the external Secretary Structures.**

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**Q5/A-** Identify the pointed part and write its scientific name.



**B- Define the tapetum tissue.**

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**Q6/compare between monocot & dicot seed anatomy with drawing.**

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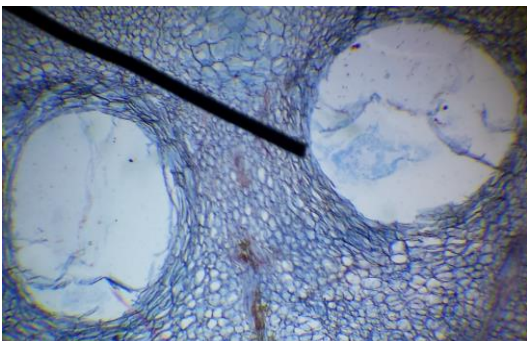
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**Q7/A-** Identify the slide and write its scientific name.



**B- write the names of other types from this tissue.**

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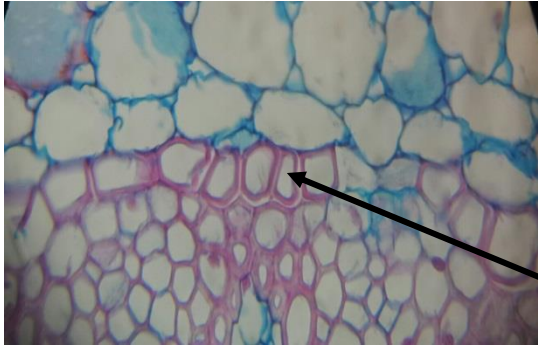
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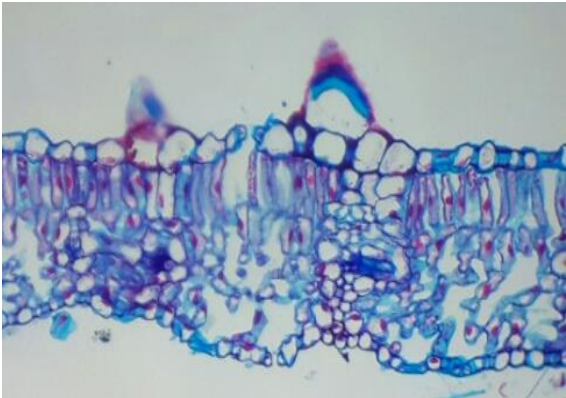
**Q8/A- Identify the pointed part and write its scientific name.**




B/following structures found in :

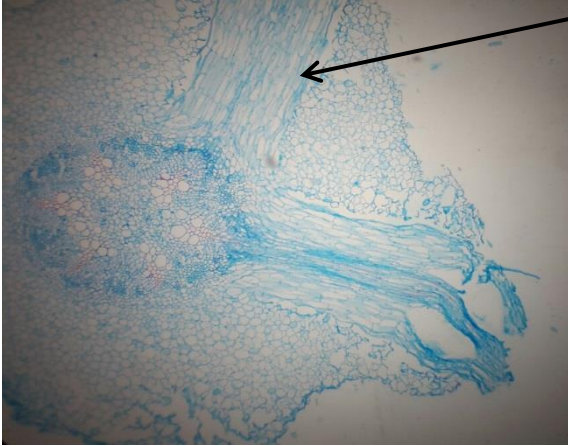
- 1-Starch sheath.
- 2- closed collateral vascular bundle
- 3. scattered vascular bundles
- 4.palisad layer
- 5.motor cells

**Q9/A- Identify the slide and write its scientific name**




**B/draw atypical fruit with labelling.**

**Q10/A- Identify the slide and write the pointed part with the plant scientific name.**




**B/ fill the blanks:**

1. .... a tubular structure consist of a wide & short dead cells which connect to each other from there ends (plates), its contain pores, either 1 pore (.....) or have many pores (.....).
2. Tracheid's found in both ..... & ..... plants.
3. In the root the inner layer of cortex called endoderm layer, thickened in some place by lignin & suberin materials which formed ..... while other places are remain thin (.....) which passing the water from cortex to the xylem tissue.
4. Cortex of stem consist of (....., ..... &.....) layers.

GOOD LUCK  
Maqsuda Q. Muhammad