**NORTH POINT SENIOR SECONDARY BOARDING SCHOOL, RAJARHAT**

**Class - XI Science**

**Subject : Biology**

**Assignment on Chapter 6 ( Anatomy of Flowering Plants)**

**Answer the following questions:**

**1. Differentiate between: (Three Point Each)**

**(i) Trichomes and root hairs**

**(ii) Tracheids and Vessels**

**(iii) Protophloem and Metaphloem​**

**(iv) Primary Meristem and Secondary Meristem**

**(v) T.S. of Monocot root and Dicot root**

**(vi) T.S. of Maize(*Zea mays*) stem and Sunflower stem**

**(vii) T.S. of Monocot leaf and Dicot leaf**

**(viii) Sieve cells and Sieve tubes**

**(ix) Conjoint closed and Conjoint open Vascular bundles**

**(x) Radial and Conjoint Vascular bundles**

**(xi) Endarch and Exarch**

**(xii) Tetrach and Polyarch**

**(xiii) Lateral cambium rings and vascular cambium annual rings**

**2. Write a note on Secondary growth in Stem and Root in points.**

**3. How cambium annual rings form in dicot stem?**

**4. Name the permanent cells which makes up Cortex.**

**5. How Endodermis differ from Pericycle?**

**6. Name the Permanent tissue which is comprised by Hypodermis.**

**7. What do you mean by Ground tissue?**

**8. Describe briefly the internal structure of Sunflower stem with help of labelled diagram.**