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

**CLASS - XII Science**

**Subject : Biology**

**Assignment of the chapter: Principles of Inheritance and variation**

**1. Write any four symptoms each of the three diseases that you know of Chromosomal abbreviations with its chromosomal representation.**

**2. Write any two symptoms of phenylketonuria (PKU).**

**3. Write three differences between Sickle cell anaemia and thalessemia.**

**4. How polypeptide beta-chain of Hb(A) differs from Hb(S)? Show with the full sequence.**

**5. What sickle cell anaemia is called point mutation?**

**6. What thalessemia is known as quantitative genetic disease?**

**7. What do you mean by Barr body? Who indicated this this first?**

**8. Name three scientists who again recovered Mendelian Laws.**

**9. Write any five reasons that T.H.Morgan choose \_Drosophila\_ \_malanogester\_ ?**

**10. What is the cause of the chromosomal disease which occurs generally when a woman give birth to a child in older age?**