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

**CLASS - X**

**Subject : Biology**

**Assignment on the chapter: Control and coordination**

**Answer the following questions:**

**1. Define the term Synapse.**

**2. Draw a well labelled diagram of neuron and indicate the location of the two types of stimulus which gets conducted through the neuron.**

**3. How Reflex Arc differs from Reflex Action?**

**4. Define Reflex Action and give any three examples.**

**5. Draw a labelled diagram of Reflex Arc by taking jerking of knee as an example.**

**6. Draw a labelled diagram of Human Brain. Mention the function of the following parts of brain:**

**(a) Cerebrum**

**(b) Cerebellum**

**(c) Medulla Oblongata**

**7. Differentiate between the followings:**

**(i) Tropic movement and Nastic movement.**

**(ii) Thigmotropism and Thigmonastism.**

**(iii) Phototrophic movement and Photonastic movement.**

**(iv) Negative Geotropism and Positive Geonastism**

**8. Give one example each of Hydrotropism, Chemotropism and Thigmotropism.**

**9. Write two advantages and two disadvantages of the followings:**

**(i) Nervous system**

**(ii) Endocrine system**

**10. Mention any five phytohormones and write its significance.**

**11. How Auxin regulates Phototropism?**

**12. Write the mechanism of the action of Adrenaline. Why is it called as an "emergency hormone"?**

**13. Give the deficiency disease of:**

**(i) Growth Hormone**

**(ii) Thyroxine​**

**14. Name the raw material required in diet to prevent Goitre.**

**15. Define puberty. Name the hormones associated with it.**