

ASSIGNMENT (CLASS X)

CONTROL AND COORDINATION

1. What is the stimulus in:
 - a) Phototropism
 - b) Geotropism
 - c) Chemotropism
 - d) Hydrotropism
 - e) Thigmotropism
2. Distinguish between tropic and nastic movements of plants
3. Give one example of the movement of a plant part which is caused by the loss of water
4. Which plant hormone is responsible for the wilting and falling of leaves?
5. Differentiate between gigantism & dwarfism
6. Name one hormone secreted by:
 - a) Testis
 - b) Pancreas
 - c) Thyroid
 - d) Ovary
7. What is meant by receptors and effectors ?
8. Why does reflex action not depend on the thinking tissue in the brain
9. What happens at the synapse which occurs between the two neurons?
10. How is the chemical coordination brought about in plants?
11. With the help of a schematic diagram, trace the sequence of events occurring, when you step on a sharp object. Name this action.
12. How does our body maintain blood sugar level?
13. Name the hormone synthesized at the shoot tips. How does it help the plant to respond to light?
14. What is the function of receptors in human body? What are the types of receptors found in human? What problems are likely to occur if receptors do not work properly?
15. If you keep the potted plant horizontally for 2-3 days, what types of movement would be shown by the shoot and root after 2 or 3 days. Why?