

Sample Paper – 2008
Class – X
Subject – Science

1. Name the two substances which are responsible for the control and coordination in plants.
2. What are Phytohormones? Name any two.
3. What is the difference between photoperiodism and phototropism?
4. What are nastic movements? Give one example.
5. What are the different Hormones found in Plants and their functions?
6. What are receptors? What type of receptors detects smell and taste?
7. How the information is send to brain in animals?
8. What is cranium?
9. How are tissues protected in a brain?
10. What is role of brain in reflex action?
11. What happens at the synapse between two neurons?
12. What is stimulus?
13. What are the different types of nervous systems found in human body? Mention the functions of each.
14. Draw the schematic diagram of reflex arc. Define reflex action with suitable example.
15. Draw the labeled structure of human brain.
16. What are the four main parts of the fore brain? Give the function of each part.
17. What are the three parts of the mid brain and their functions?
18. Which part of the human brain is responsible for: Intelligence and Memory, Adjustment movement and Posture, Smell?
19. Give the role of Frontal lobe, temporal, lobe and medulla oblongata.
20. Name the different lobes found in the fore brain and give their functions.
21. What is geotropism?
22. What are plant hormones?
23. What are controlled movements? How this process happens?
24. What are electrical impulses? What re its limitations?
25. How the stimulated cells overcome the limitations of electrical impulses?
26. How do auxins promote the growth of a tendril around a support?
27. Which hormone is responsible for the wilting of leaves in plants?
28. What are hormones? Who coined the term hormones?
29. What is function of adrenaline? Explain briefly?
30. Why diabetes is happen? What is insulin?
31. Draw the diagram showing endocrine glands in a male body/female body and label: Pituitary, Thyroid, Adrenal, Testis/ovaries, Thalamus, and Hypothalamus.
32. Name the hormone associated with a) Reduction of blood glucose in the body b) Overall metabolism of the body.

33. Write the function of testes & ovaries.
34. What is function of pituitary gland?
35. What is need of control and coordination in the body?
36. Which is the structural and functional unit of nervous system? Describe with the help of a diagram.
37. "Nervous and the hormonal system together perform the function of the control and coordination in the humans". Justify.