

CLASS 10 BIOLOGY  
SA1 ASSIGNMENT(2014-15)

- Q1. Why are some patients of diabetes treated by giving injections of insulin?
- Q2. Which part of the brain controlled posture and balance of the body?
- Q3. What will happen if intake of iodine in our diet is low?
- Q4. What is chemotropism?
- Q5. Which hormone is responsible for the changes noticed in males at puberty ?.
- Q6. List four common features of the respiratory organs in aquatic and terrestrial animals ?
- Q7. Why is double circulation of blood necessary in human beings ?
- Q8. Leaves of a healthy potted plant were coated with vaseline to block the stomata. Will this plant remain healthy for long ? State two reasons for your answer
- Q9. What is the function of receptors in human body? What are the types of receptors found in humans? What problems are likely to occur if receptors do not work properly?
- Q10. (a) Explain how auxins help in bending of plant stem towards light. (b) State the objective of the experiment for which experimental set up is shown in the given diagram.

- Q11. Draw a labelled diagram of a neuron. List its functions
- Q12. (a) Draw a neat diagram of excretory system of human beings and label the following :

- (i) Kidney (ii) Ureter (iii) Urinary Bladder (iv) Urethra
- (b) How is urine produced?
- (c) Name two excretory products other than  $O_2$  and  $CO_2$  in plants.
- Q13. (a) Draw diagram to show the nutrition in amoeba and label the part used for this purpose.

Mention any other purpose served by this part other than nutrition.

- (b) Name the glands associated with digestion of starch in human digestive tract and mention their role.
- (c) How is required pH maintained in the stomach and small intestine?

