

**Assignments for First Term      Class –X**

**Biology      ASSIGNMENT**

**MCOS BASED ON PRACTICAL SKILLS**

[ First Term ]

Q1 While making the slide of leaf peel for observing the stomata, the student must take the peel from

- a) upper surface of the leaf      b) lower surface of the leaf      c) midrib      d) any of the above

Q2 A student prepared a temporary stained mount of leaf peel, if he has taken the peel from a plant kept in sunlight, the stomata will be found

- a) closed    b) open    c) sunlight does not have any effect    d) none of the above

Q3 Which of the following is used to stain leaf peel

- a) methylene blue    b) safranine    c) colchicines    d) glycerine

Q4 Which one of the following is correct

- a) stomata are surrounded by epidermal cells  
b) stomata are surrounded by guard cells  
c) there is no nucleus in the guard cells  
d) nucleus is absent in the epidermal cells

Q5 To study light is necessary for photosynthesis, the portion of the leaf covered with black paper

- a) turns blue black on adding iodine    b) turns pink on adding starch solution    c) does not change on adding iodine solution    c) turns blue black on adding starch solution

Q6 Which one of the following is incorrect for the experiment light is necessary for photosynthesis    a) we must experiment on destarched plant    b) we should cover a portion of the leaf with cellophane paper    c) we should cover a portion of the leaf with black paper    d) leaf is boiled in alcohol before testing for the presence of starch

Q7 To remove chlorophyll from the leaf    a) the leaf is boiled in water    b) the leaf is boiled in alcohol    c) leaf is washed with glycerine    d) leaf is washed with water

Q8 Which one of the following are most suitable for studying respiration in plants    a) boiled seeds    b) dry seeds    c) germinating seeds    d) mashed seeds

Q9 Which is incorrect from the following

- a) KOH is kept in the small tube in the flask    b)  $\text{Ca(OH)}_2$  is kept in the small tube in the flask  
c) the apparatus is made airtight    d) water rises in the delivery tube

Q10 What will be the observations if cotton is plugged instead of cork in the conical flask

- a) water level rises up in the delivery tube    b) water level falls down in the delivery tube    c) there is no change in the water level    d) any of the following can happen