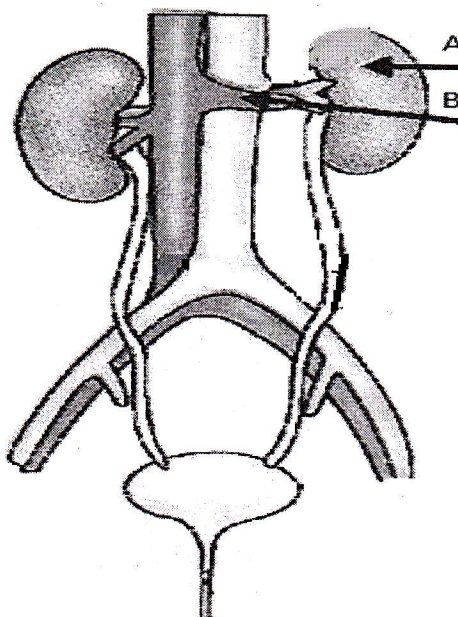


1. Define magnetic field. (1)
2. How does transport of water occur in plants, during night? (1)
3. An electron beam is moving horizontally south to north in a television tube. The magnetic field is directed downwards. (1)
 - (a) Which rule of Flemings is applicable in above situation?
 - (b) Mention the direction in which the beam will be deflected.
4. Write the name and chemical formula of the calcium compound used for disinfecting drinking water. (1)
5. A gas is produced when conc. H_2SO_4 is added to solid NaCl taken in a test tube. The gas coming out through the delivery tube is passed over a dry blue litmus paper and then over a moist blue litmus paper. Record your observations and explain reason with the help of chemical equation. (2)
6. At what pH in the mouth is tooth decay faster and why? (2)
7. While examining a patient, a doctor observed that the systolic pressure is 150 mm of Hg and diastolic pressure is 100 mm of Hg. What is this condition called and how is it caused? Mention how this will affect the health of the patient. (2)
8. Identify the picture given below. Name the parts A and B and give their functions. (2)



9. (a) State Fleming's right hand rule. (2)
- (b) A student performs an experiment to study the magnetic effects around a current carrying straight conductor using compass needle. What happens when the compass needle is moved away from the conductor and why?