



OBSERVATION:

Upper meniscus = 4.6  
Lower meniscus = 4.3

$$\text{Average} = \frac{4.6 + 4.3}{2} = 4.45$$

$$= \frac{4.45}{10} \times 100$$

$$= 44.5\%$$

Normal value of male = 40-50%

Normal value of female = 37-47%

STUDENT'S NOTES

1. Double oxalate also called oxalide mixture is used to balance the swelling of red cells caused by ammonium oxalate & shrinkage caused by potassium oxalate. They act by removing calcium ions from the plasma.
2. Buffy coat is a thin film of an anticoagulated blood sample that contains most of the WBCs & platelets following density gradient centrifugation of blood. It consists of less than 1% of the total volume of blood sample.
3. Buffy coat is examined to look for abnormal WBCs circulating in the blood stream. Its thickness increase due to following pathological conditions
  1. leukemia
  2. leukocytosis
  3. Marked thrombocytosis
4. PCV of venous blood is more than arterial blood due to chloride shift as of Hamburger's phenomena. So PCV of venous blood is 3% higher than that of arterial blood.