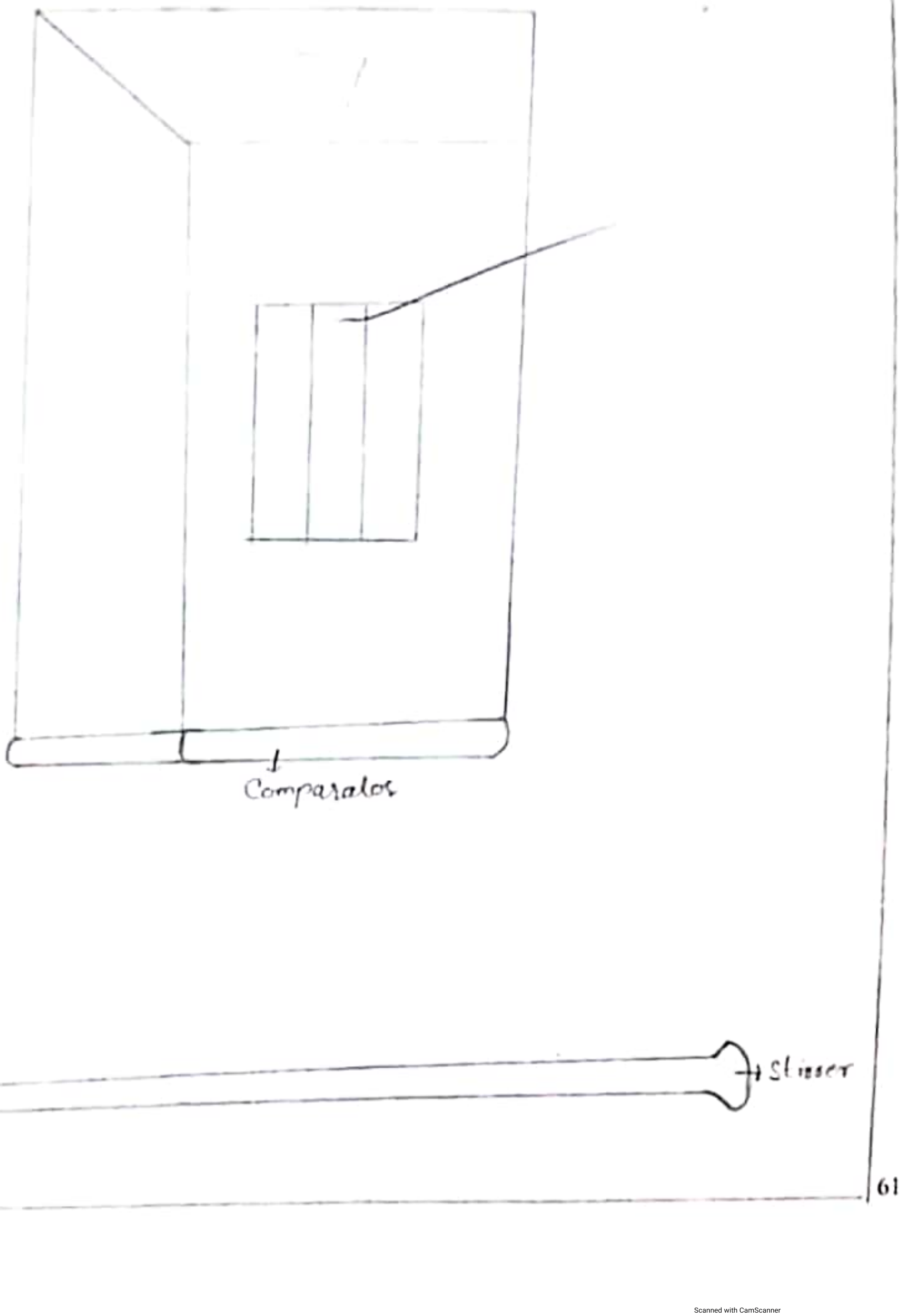
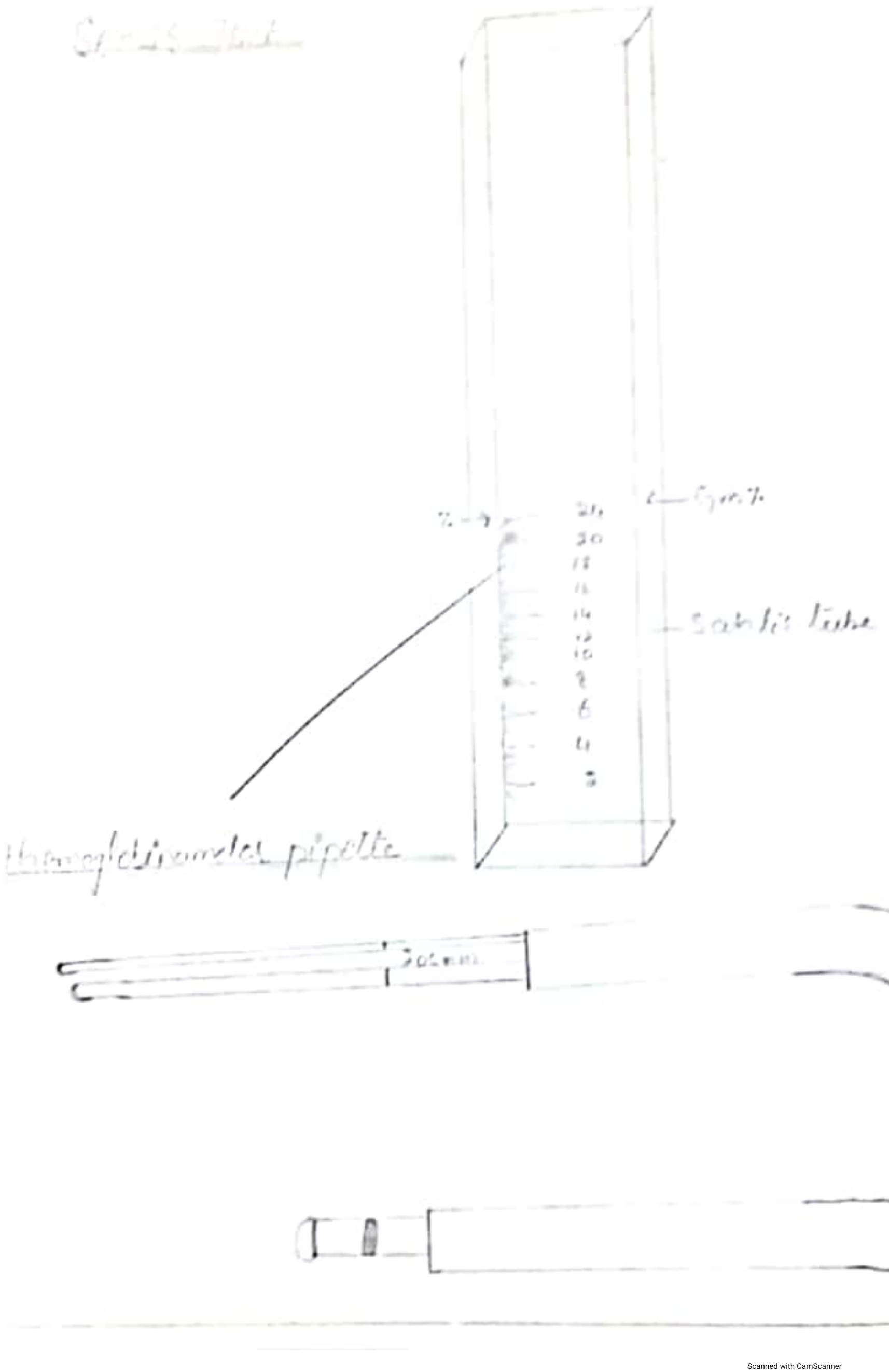
RESULTS AND COMMENTS



RESULTS AND COMMENTS



RESULTS AND COMMENTS

NAME OF SUBJECT : Sapta

AGE OF SUBJECT : 19 years

SEX OF SUBJECT : Female

1. Slightly darker reading - 13.8 gm/dl
2. Exact reading - 13 gm/dl
3. Slightly lighter reading - 14 gm/dl
4. Average - 13.2 gm/dl

=> FOR % SATURATION :

14.8 gm % = 100%

13.2 gm % = x

$$x = \frac{100 \times 13.2}{14.8} = 89.1\%$$

=> FOR O_2 CARRYING CAPACITY :

1 gm Hb = 1.34 ml of O_2

13.2 gm Hb = x

x = 13.2 x 1.34

= 17.68 O_2 l/dl of blood

Ans 1. Known quantity of blood is mixed with 0.1N HCl leading to formation of acid hematin with gives brown

Ans 2. Haemoglobin is main oxygen carrying pigment i.e. main function is transport of CO_2 & Buffer action

Ans 3. Males : 13-18 g/dl females : 11.6 - 16.5 g/ml

Ans 4. 1g of Hb carries 1.34 g/dl of O_2

Ans 5. Fe in Hb bind with O_2 & help in transport of O_2 in blood

Ans 6. If Hb used in plasma instead of RBC's it would lose blood tissue from blood vessels.

Ans 7. Normal Hb is HbA (adult) & HbF (Fetus)

Ans 8. Intravascular hemolysis is caused by mismatching of blood.