

Group No.: \_\_\_\_\_

Date : \_\_\_\_\_

DEPARTMENT OF PHARMACOLOGY  
GIRL'S MEDICAL COLLEGE  
MPHL-231

**EFFECTS OF DRUGS ON THE EYE OF RABBIT**

You are provided with a number of rabbits to examine the effects of the following drugs on their eyes.

**Drugs:**

1. Saline
2. Ephedrine : 4 %
3. Atropine : 1 %
4. A surface-acting local anaesthetic (Cocaine/Tetracaine/Lidocaine)  
: 2-4 %.
5. Pilocarpine : 1 %
6. Physostigmine : 1 %

**Procedure:**

**(A) BEFORE ADDING THE DRUGS EXAMINE THE EYES FOR THE FOLLOWING:**

1. Size of the pupil
2. Light reflex
3. Corneal reflex
4. Lacrymal secretion (tears).
5. Conjunctival blood vessels.

**(B) PROCEED TO EXAMINE THE EFFECTS OF THE DRUGS BY:**

1. Add 2 drops of the drug to be tested into the conjunctival sac of one eye.
2. Add 2 drops of Saline (as a Control) in the other eye.
3. Wait for 5 minutes.
4. Examine the eye for any change produced by the drugs.
5. If there is no response, add another 2 drops of the same drug in the same eye.
6. Wait again for 5 minutes and examine the eyes for any change in the above parameters.

**RECORD YOUR OBSERVATIONS AND COMMENTS ON THE ATTACHED PAGE.**



