



“बेटी बचाओ, बेटी पढ़ाओ”

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
Faculty of Pharmaceutical Science

Faculty Name	- JV'n Prof. Dr. Dharmendra Ahuja (Professor & Dean)
Program	- 5 th Semester/3rd Year
Course	- B.Pharm
Session	- Pharmacology Practical

Academic Day starts with–

- Greeting with saying ‘**Namaste**’ by joining Hands together following by 2-3 Minutes Happy session, Celebrating birthday of any student of respective class and **National Anthem**

To study diuretic activity using metabolic cage

Aim of the experiment

To study diuretic activity using metabolic cage

Introduction:

- The metabolic cage is outlined to permit estimation of liquid admissions, and to isolated and collect feces and pee for various subjective and quantitative judgments. In expansion, the metabolic age grants perception

of the creature, feces, and pee at all times.

Instructions:

- Divide animals into two groups (6 animals in each)
- Administer one group with the drug (Furosemide 10mg/kg) to be tested and other with vehicle by oral route.
- After that place the animals in metabolic cages.
- Record the total volume of urine collected after 5 hr.
- Compare the urine output between vehicle treated and drug treated group.

Observation Table:

Vehicle Treated	Drug Treated	
		Average

Result :

An increase in average urine output in an animal treated with furosemide (a diuretic) indicates that the animal treated with furosemide has increased urine output.

• **Next Topic-**

- Analysis of Anti inflammatory activity in carrageen an induced paw oedema

• **Academic Day ends with-**

National song 'Vande Mataram'