

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the page, framing the central white area where the text is placed.

# GENERAL PHARMACOLOGY

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## DEFINITION-

PHARMACOLOGY IS THE BRANCH OF PHARMACEUTICAL SCIENCES WHICH IS CONCERNED WITH THE STUDY OF DRUG OR MEDICATION ACTION

- ▶ THE WORD “PHARMACOLOGY “ IS DERIVED FROM GREEK WORD “PHARMACON
- ▶ WHEN A DRUG IS ADMINISTERED TO A PERSON IT WILL EXERT SOME EFFECT ON THE PATIENT (PHARMACODYNAMICS ) AND THE PATIENTS BODY WILL HAVE SOME EFFECT ON THE DRUG (PHARMACOKINETICS ) THESE ARE THE TWO MAIN BRANCHES OF PHARMACOLOGY.

# ROUTES OF DRUG ADMINISTRATION

- ▶ LOCAL ROUTES
- ▶ SYSTEMIC ROUTES
- ▶ ORAL ROUTE
- ▶ SUBLINGUAL ROUTE
- ▶ TRANSDERMAL ROUTE
- ▶ INHALATION ROUTE
- ▶ RECTAL ROUTE

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- ▶ PHARMACOLOGY DIVIDED INTO SEVRAL BRANCHES LIKE PHARMACOKINETICS ,PHARMACODYNAMICS ,PHARMACOTHERPEUTICS ,CHEMOTHERAPY ,AND TOXICOLOGY ETC.