SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES



Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai Approved by Pharmacy Council of India, New Delhi.

Coimbatore -641035

COURSE NAME: PHARMACEUTICS I

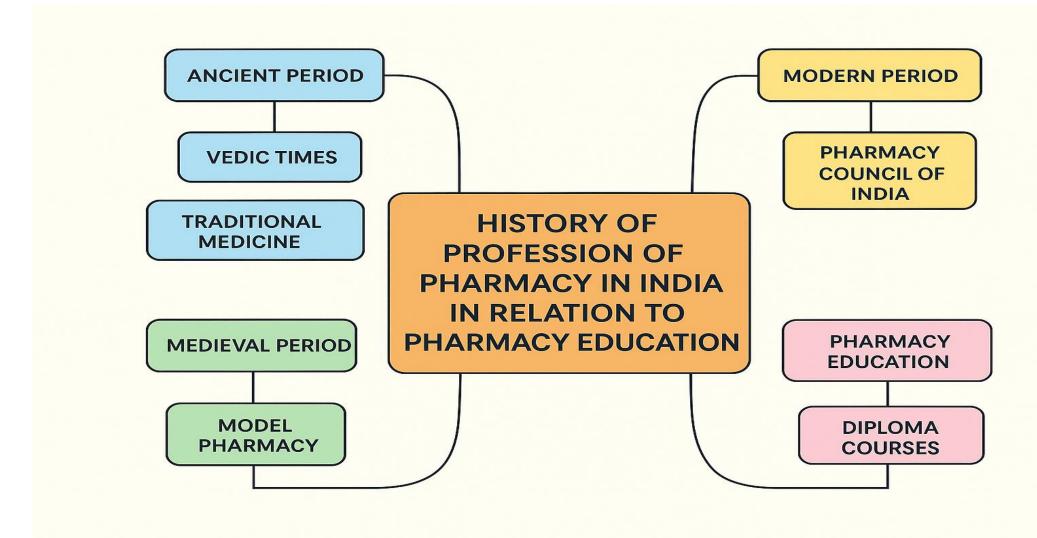
(BP 103 T) I YEAR / I SEM

TOPIC 1: HISTORICAL BACKGROUND AND DEVELOPMENT OF THE PROFESSION OF PHARMACY

SUB TOPIC: Introduction to Profession of Pharmacy (Definition, scope, and importance of pharmacy; Role of pharmacist in healthcare system.**)**

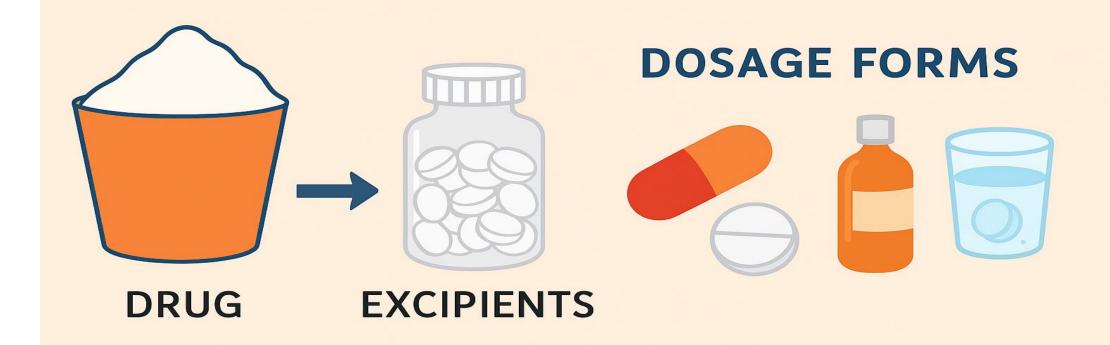
MIND MAP



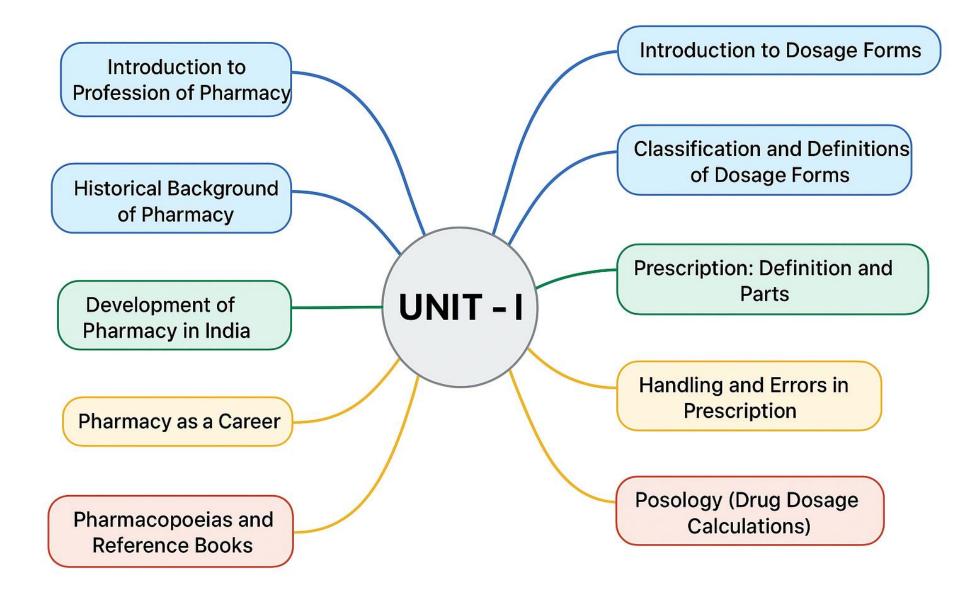




PHARMACEUTICS I

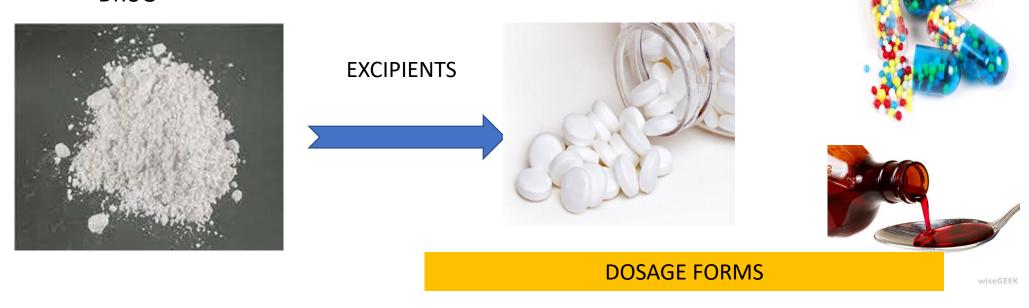








DRUG







Understand the concept and scope of the pharmacy profession

Explore
different career
opportunities in
pharmacy

Learning Objectives



Recognize the pharmacist's role in healthcare and society

Apply Design
Thinking principles
to understand
professional
relevance

DESIGN THINKING FRAMEWORK





DEFINE

Identify the problem

EMPATHIZE

Understand user needs

IDEATE

Generate ideas

PROTOTYPE & TEST

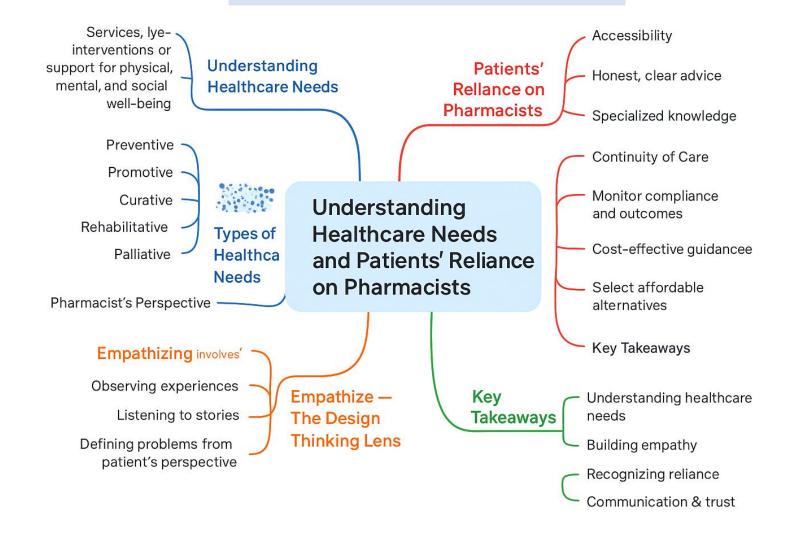
Build and test solutions

EVOLVE

Implement and learn









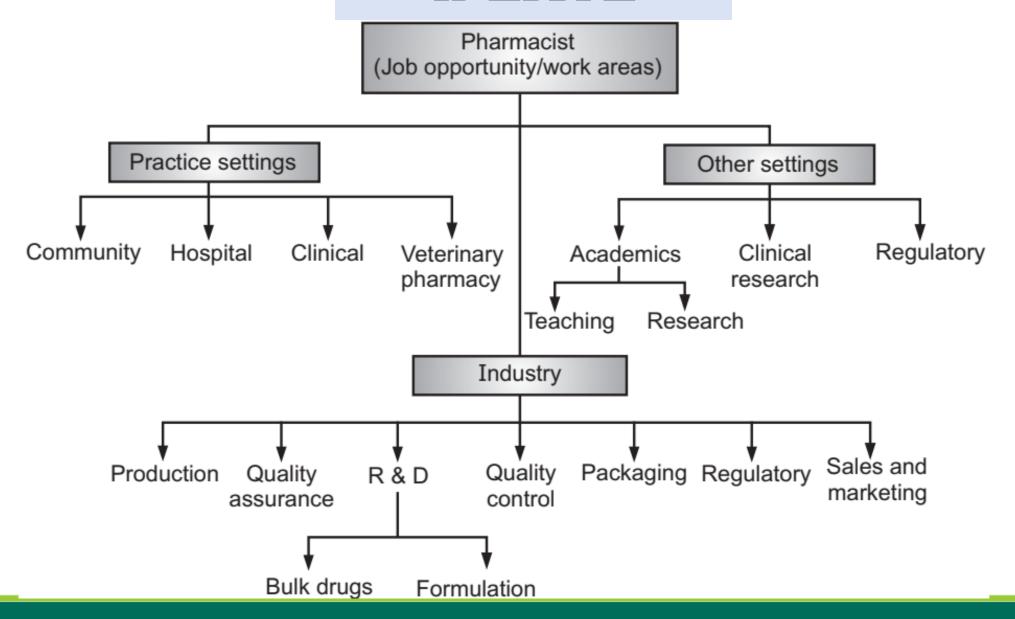
DEFINE

Scope of Pharmacy



IDEATE





IDEATE



ACADEMICS

Asst. Professor Asso. Professor Professor

PHARMACIST

Hospital Pharmacist Clinical Pharmacist Retail Pharmacist

MARKETING

Medical Representative Marketing Executive General manager

RESEARCH

R & D Scientist Pharmacovigilance Scientist Clinical Statistician

GOVERNMENT JOB

Drug Controller Drug Inspector Dgug Analyst

Scope of Pharmacy

PHARMACEUTICAL SCIENCES

Bachelor of Pharmacy Master of Pharmacy (Ph. D.)

PHARM. INDUSTRY

Production Manager Manager (Quality Assurance) Manager (Quality Control)

PHARM. ASSOCIATION & FEDERAL AGENCIES

COMMUNICATION

Managing Editor Feature Writer Scientific Correspondent

KNOWLEDGE PROCESS
OUTSOURCING

REGULATORY AFFAIRS

Regulatory Affairs Manager Regulatory Affairs Executive Data Recorder

PROTOTYPE



Understanding Healthcare Needs

Deĭinition

State Pharmacy Councils

Prototype: Institutional Frameworks

Pharmacy Council of India

Central enforcement ensuring Pharmacy and professional registration

NIPER Network

National Institutes fostering advanceed pharmaceutical research and innovation



Test & Evolve: Modern Adaptations

Clinical Pharmacy

PharmD programs emphasizing patient care and clinical decision-making

Research Excellence

Advanced pharmaceutical sciences and drug discovery initiatives

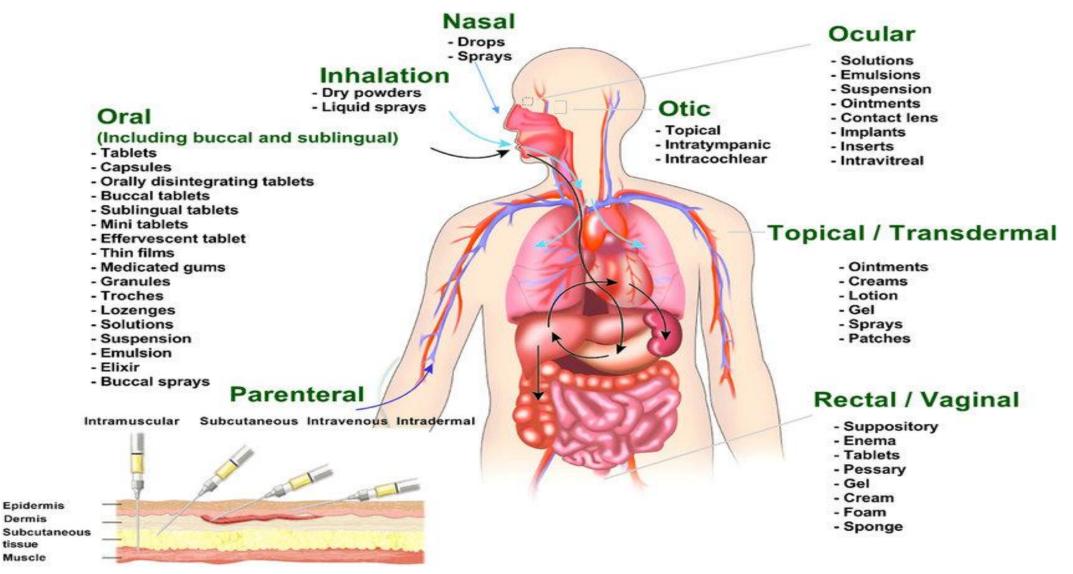
Digital Health

Technology integration in pharmacy practice and education

Community Impact

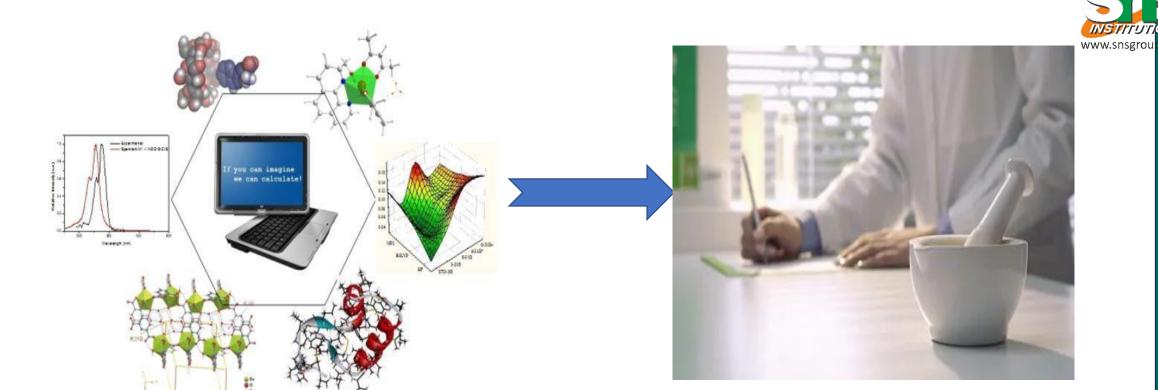
Expanded roles in public health





Dermis

tissue Muscle







Other

Opportunitie













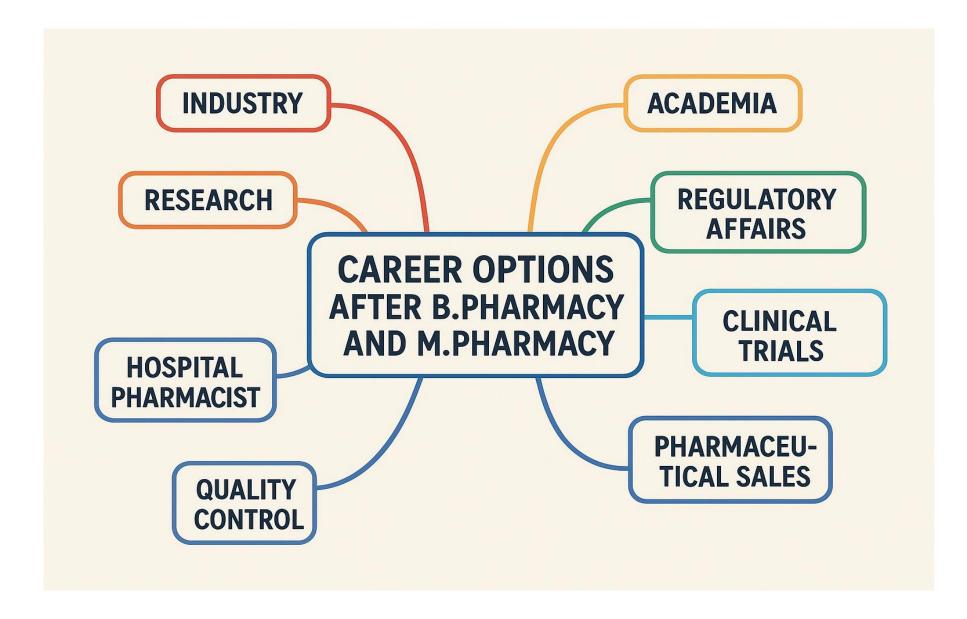


HOSPITAL PHARMACY













MCQs (5 marks)

- Which part of a prescription contains directions to the pharmacist?
 - (a) Superscription (b) Inscription (c) Subscription (d) Signature
- The Indian Pharmacopoeia was first published in:
 - (a) 1868 (b) 1940 (c) 1955 (d) 1960
- Which factor affects posology?
 - (a) Age (b) Weight (c) Route of administration (d) All of the above
- Young's rule for pediatric dose is based on:
 - (a) Age (b) Weight (c) Surface area (d) None
- Extra Pharmacopoeia is also known as:
 - (a) Clarke's (b) Martindale (c) Goodman & Gilman (d) British Herbal

REFERENCES



- •Remington: *The Science and Practice of Pharmacy*, 22nd Edition, Pharmaceutical Press.
- •Kokate C.K., Purohit A.P., Gokhale S.B. *Textbook of Pharmacy*.
- •B. Suresh, S. B. Gokhale *Pharmacy Education in India*.
- •Lachman L., Lieberman H.A., Kanig J.L. *The Theory and Practice of Industrial Pharmacy*
- •Sharma, B.D. *Pharmacy Education in India: Past, Present and Future*. Indian Journal of Pharmaceutical Education and Research (IJPER).
- •Rao, N. R. (2017). *Evolution of Pharmacy Profession in India*. International Journal of Pharmaceutical Sciences.
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