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Diploma in Pharmacy 1st Year

Pharmaceutics

Experiment

How to handle and refer the official “ Indian Pharmacopoeia “ for retrieving formulas and procedures.

Aim:

How to handle and refer the official “ Indian Pharmacopoeia “ for retrieving formulas and procedures.

Reference :

“Seth A.K” “A text book of Pharmaceutics - I “ Published by [medical Publisher] S.Vikas and Company edition 2017 pg no 1 - 4

Requirement :

The name of the book which has required for this experiment is “ Indian Pharmacopoeia “

Theory :

The term Pharmacopoeia comes from Greek words

Pharmacon meaning ‘Drug’

Poiein meaning ‘make’

It can be defined as any recipe or formula and the standard required for making or preparing a drug

The “ Indian Pharmacopoeia “ is the legally recognised book of standard for quality of drug substance and preparation includes there in

It also known as ‘ Compendia ‘

S.No.	Editions	Year	Supplements
1	First Edition	1955	1960
2	Second Edition	1966	1975
3	Third Edition	1985	1989,1991
4	Fourth Edition	1996	2000,2002,2005
5	Fifth Edition	2007	2008
6	Sixth Edition	2010	2012
7	Seventh Edition	2014	2015,2016
8	Eighth Edition	2018	2019

Procedure

- ❖ First go to the library and pick the ' Indian Pharmacopoeia ' according to the Edition & Volume
- ❖ After Searching I found that the contents of ' Indian Pharmacopoeia ' are mainly classified into three section

1st General Notices

This section provides the basic guidelines for interpretation and application of standard , tests , assay & other specifications of the Pharmacopoeia of India

- **A Title :** The full title of the book , Supplement . It is abbreviated as Indian Pharmacopoeia
- **Capital letters in the text :-** The name of the pharmacopoeia drugs, preparations & Process Accuring in the text of the Pharmacopoeia are in printed with intial letter in capital and this indicate that material of pharmacopoeial quality must be used

Examples :- Sodium Chloride in water for Injection

- **Italics :-** Italics types have been used for the systematics names of plants & microorganisms and for some sub-heading & Some parts of the chemical names

Examples :- *Mercuric Sulphate Solution*

- **Official & Official Articles :-** The Word official means Pharmacopoeial if Indian Pharmacopoeia is written on the label it , It shows that the articals purport to comply with Indian Pharmacopoeia Standarts
- **Added Substance :-** A official drug substance contain no added substance accept where nspecially permitted in the individual monograph The name & amount of any such substance are mention on the label

Expression of Strength :- Percent W/W

Percent W/V

Percent V/V

Percent V/W

2nd Monograph

It means written study material of any subject
Pharmacopoeial monograph mentioned in Indian Pharmacopoeia provides following information about the drugs & other compounds

- Main title :- name of Drug
- Synonyms :- Common name of drug
- Chemical formula & molecular weight :-
- Category :-
- Doses :- Paracetamol ' 500 mg '
- Description :- Physical & Chemical Properties
 - Solubility
 - Standards
 - Identification
 - Test for purity
 - Assay methods
 - Storage

3rd Appendices

This is the last comprehensive section of pharmacopoeia.
It comprises 123 appendices contain different information In which 15 are main

- Appendices 1st :- Details of various biological test & assays
- Appendices 2nd :- Details of chemical test & assays
- Appendices 3rd :- Details of chromatography & electrophoresis
- Appendices 4th :- Details of spectrophotometry
- Appendices 5th :- Details of clarity & color of solution

Result :

I issued the Indian Pharmacopoeia 1996 from Library and read carefully the important points about certain drugs it was found that there were so many monographs in I.P.

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Amir Khan

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