

GPAT Preparation Syllabus (PH04)

Scope: GPAT stands for Graduate Pharmacy Aptitude Test and that means only the B. Pharm students/graduates are eligible for the test. Graduate Pharmacy Aptitude Test is computer based online examination conducted. This is beneficial for those students who want to take admission in M.Pharm in government colleges.

Course Outcome: The course has four major learning objectives. Upon completion of this course a student should be able to:

1. Learn the basic concepts of pharmaceutical sciences.
2. Prepare him for the competitive entrance exam GPAT in pharmacy field.
3. Enhances the intellectual knowledge of students.
4. Understand the correlation between Pharmacy and healthcare.

Unit I

10 Hours

PHARMACEUTICAL CHEMISTRY

General Principles of organic chemistry
Different classes of compounds
Different aromatic compounds
Medicinal chemistry (Structure, SAR, Synthesis, MOA of important compounds)
Biochemistry
Inorganic Pharmaceutical Chemistry

Unit II

10 Hours

PHARMACOLOGY

General Pharmacology
Detailed pharmacology including classification, mechanism of action and therapeutic uses
Pharmacology of peripheral nervous system
Pharmacology of central nervous System
Pharmacology of cardiovascular system
Drugs acting on urinary system
Pharmacology of Endocrine system

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Unit III

10 Hours

PHARMACEUTICS

Pharmacy Profession & Introduction to Pharmaceuticals

Introduction to dosage form

Sources of drug information

Allopathic dosage form

Crude extract

Dosage Form Necessities and Additives

Capsules, Tablets

Parenterals - product requiring sterile packaging

Novel Drug delivery system

Unit IV

10 Hours

PHARMACOGNOSY

Introductory Pharmacognosy

Introduction to phytoconstituents

Principles of plant classification

Pharmaceutical aids

Animal products

5. Biogenetic pathways

Tannins

Volatile oils

Resinous drugs

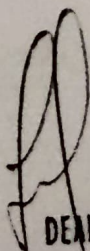
Glycosides

Alkaloids

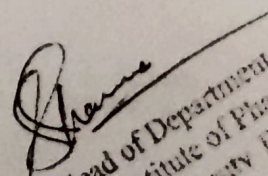
Extraction and Isolation Techniques



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Department of Pharmacy

1 Jan 2022

CIRCULAR

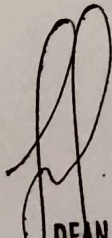
VALUE ADDED COURSE (GPAT)-B.Pharm.

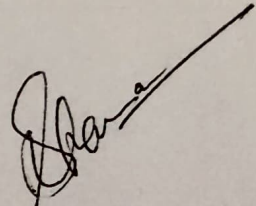
Student of B.Pharm. IVthYear are hereby informed you that online "GPAT CLASSES" is scheduled from 6 Jan 2022 in your respective classroom, Academic Block-III.

Schedule:

- Time Slot: 03:00 PM to 05:00 PM
- Key Speaker: Mr. Amit Gupta
- Duration: 2 hrs


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Mrs. Surabhi Sharma
(HOD) of Department
Invertis Institute of Pharmacy
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GPAT PREPARATION

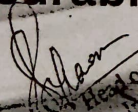
Organised by:-
Department of Pharmacy

Program:- B Pharm IV

2:00 TO 3:00P

JAN 01-MAY 05 2022

HOD:
Mrs. Surabhi Sharma


Head of Department
Invertis Institute of Pharmacy
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Key Speaker
Mr. Amit Gupta


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GPAT PREPARATION

Course Overview:

The Graduate Pharmacy Aptitude Test is an annual all-India examination conducted by National Testing Agency on computer based test mode only, to evaluate candidates for admission of Pharmacy graduates into the Masters programmes, it was conducted by All India Council for Technical Education, New Delhi.

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