

## **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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INVERTIS INSTITUTE OF PHARMACY  
INVERTIS UNIVERSITY, BAREILLY

  
Head of Department  
Invertis Institute of Pharmacy  
Invertis University Bareilly

  
Registrar  
Invertis University  
Bareilly

### 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

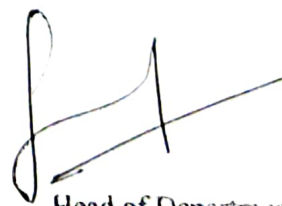
#### PHARMACOGNOSY

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 2021

### CIRCULAR

#### VALUE ADDED COURSE (GPAT Preparation)-B.Pharm

Student of B.Pharm IV<sup>th</sup> Year are hereby informed you that "GPAT Preparation" classes are scheduled from 4 Jan 2021 in your respective classroom, Academic Block-III.

#### Schedule:

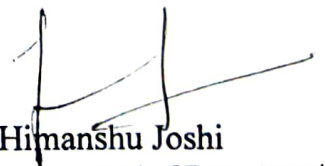
- Time Slot: 03:00 PM to 05:00 PM
- Key Speaker: Mr. Amit Gupta
- Duration: 2 hrs

#### Program Overview:

GRADUATE PHARMACY APTITUDE TEST (GPAT) is a national level entrance examination for entry into M.Pharm programmes. This test facilitates institutions to select suitable Pharmacy graduates for admission into the Master's (M.Pharm) program. The GPAT is a three-hour computer based online test which is conducted in a single session. Overall enhancement of a student carves him into a confident person



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Mr. Himanshu Joshi  
Head of Department  
(HOD)  
Invertis Institute of Pharmacy  
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# INVERTIS UNIVERSITY BAREILLY

Established by Govt. of U.P. in 21 of USC Act, 1956 vide U.P. Act 23 of 2010.

GPAT Preparation  
Organised by:-  
Department of  
Pharmacy

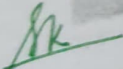
Program:- B Pharm IV

02:00 PM TO 3:00 PM  
Jan 4- May 7 2021

HOD Head of Department  
Invertis Institute of Pharmacy  
Invertis University Bareilly

Mr. Himanshu Joshi

Key speaker  
Mr. Amit Gupta

  
Registrar  
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Established by Govt. of U.P. on 27.08.1986 Act. 1986 under U.P. Act 22 of 1980

## GPAT Preparation

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*[Signature]*  
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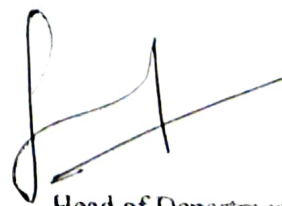
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Program:- B Pharm IV

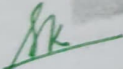
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
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