

## **ABOUT THE DEPARTMENT**

### **The Department**

The Department of Pharmacy is one of the leading institute of Uttar Pradesh, established in 2002 under the aegis of Faculty of Medicine Dr B.R Ambedkar University, Agra. The Department has been established with a view to promote excellence in Pharmacy education and to prepare upcoming generation to meet the challenges in the area of Pharmaceutical industries, education, research and development by utilizing leading edge technologies with available resources.

The Department is approved by Pharmacy Council of India (PCI), New Delhi, offers B. Pharm, program.

The Laboratories are highly & well equipped state-of-the-art laboratories with sophisticated, advanced and dedicated instrument rooms, library with computer facility, reprographic facility with unlimited internet access for students and faculty members for research and knowledge upgradation, class rooms with preinstalled LCD Projectors.

The Department has kept itself abreast of paradigm shifts that have taken place in recent era of Pharmacy education, and fraternity, with aim to provide a simulated atmosphere at the premises to build up and boost up their confidence and competence levels. The Department regularly invites learned and eminent academicians, industrialists and dignitaries to deliver seminar and lectures to create enthusiasm and zeal among students and staff members for educational excellence.

## FROM DESK OF HEAD OF DEPARMENT

Dear Pharmacy Professional, Thank you for taking the time to visit us on our website. India is emerging out to be global leader in Pharmaceutical Technology. Quality of medicines manufactured in India is proven to be of world class standard & many Indian Pharmaceutical Companies have taken a lead to capture world pharmaceutical Market. To compete with the world pharmaceutical Market we need world-class competent pharmacists in the area of Manufacturing, Research & Development, Quality Assurance and Marketing. We are very much happy to introduce Department of Pharmacy, Dr. B. R. Ambedkar University, Agra with a proclaimed objective to develop the students as competent pharmacist and highly qualified dedicated professionals. I would like to thank, all the students, faculty and staff members of the institute for their sincere efforts and dedication. I am indebted to the Honorable Vice Chancellor Professor M. Muzzamil and University official for, working in collaboration with Department for their regular support in achieving our aim to become “the centre of excellence”. I am in no doubt while assuring the new entrants that we are determined to give them the best in a perfect organized way.

Sincerely,

**Prof. Brijesh Kumar Tiwari**

M.Pharm & Ph.D. (Pharmaceutical Sciences)

Head

Department of Pharmacy

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## FACULTY

	<b>Professor and Head</b>	
	<b>Name</b>	<b>Dr. Brijesh Kumar Tiwari</b>
	<b>Qualification</b>	<b>M.Pharm., Ph. D.</b>
	<b>Specialization</b>	<b>Pharmacognosy</b>
	<b>Assistant Professor</b>	
	<b>Name</b>	<b>Dr. Ravi Shekhar Sharma</b>
	<b>Qualification</b>	<b>M.Pharm., Ph.D.</b>
	<b>Specialization</b>	<b>Pharmaceutics</b>
	<b>Assistant Professor</b>	
	<b>Name</b>	<b>Dr. Jaybir Singh</b>
	<b>Qualification</b>	<b>M.Pharm., Ph.D.</b>
	<b>Specialization</b>	<b>Pharmaceutics</b>
	<b>Assistant Professor</b>	
	<b>Name</b>	<b>Mr. Pushpendra Kumar</b>
	<b>Qualification</b>	<b>M. Pharm</b>
	<b>Specialization</b>	<b>Pharmacology</b>
	<b>Assistant Professor</b>	
	<b>Name</b>	<b>Mr. Manoj Kumar Yadav</b>
	<b>Qualification</b>	<b>M. Pharm</b>

	<b>Specialization</b>	<b>Pharmacology</b>
	<b>Assistant Professor</b>	
	<b>Name</b>	<b>Mr. Shivkant Sharma</b>
	<b>Qualification</b>	<b>M. Pharm</b>
	<b>Specialization</b>	<b>Quality Assurance</b>
	<b>Assistant Professor</b>	
	<b>Name</b>	<b>Mr. Vijay Kumar Yadav</b>
	<b>Qualification</b>	<b>M. Pharm</b>
	<b>Specialization</b>	<b>Pharmacognosy</b>
	<b>Assistant Professor</b>	
	<b>Name</b>	<b>Ms. Pooja Sharma</b>
	<b>Qualification</b>	<b>M. Pharm</b>
	<b>Specialization</b>	<b>Pharmaceutical Chemistry</b>
	<b>Assistant Professor</b>	
	<b>Name</b>	<b>Ms. Pratibha Mishra</b>
	<b>Qualification</b>	<b>M. Pharm</b>
	<b>Specialization</b>	<b>Pharmacognosy</b>

## **COURSES**

**Under Graduate – Bachelor of Pharmacy (4 Years)**

**Eligibility -** Minimum 45 % marks in PCM or PCB.

**Lateral Admission in II Year B.Pharm:** Minimum qualification- Diploma in Pharmacy with minimum 60% marks.

## **JOB OPPORTUNITY**

- Government jobs like Drug Inspectors, Drug Controllers and Pharmacist
- As Lecturers for D. Pharm.
- In Pharmacovigilance
- In Clinical Data Management
- In Clinical Research
- In Product Management Team of Various Pharmaceutical Companies
- As sales promotion manager
- Marketing Managers or a Sales Manager of various MNCs of Pharmacy
- In Production Department of Various Pharmaceutical industries
- Analysis & Testing of drugs (QC /QA) etc.

## **FACILITIES**

Department has well equipped laboratories along with lecture rooms and seminar hall. Department of Pharmacy avails the facility of well equipped and furnished J.P. Auditorium for conferences, seminars, cultural activities etc.

### **1. LABORATORIES**

#### **Lab: Pharmacology**

**Equipment :** Actophotometer, Convulsiometer, Analgesiometer (Eddy's hot plate), Lucas moist chamber Muscle electrodes, Myographic lever, Haemocytometer with Micropipettes, Sahli's haemocytometer, Permanent Slides for various tissues, Models for various organs Skeleton and bones Dissection box and tray etc.

**Lab: Pharmaceutical Biotechnology** The laboratory is well equipped to perform microbiological and biotechnological experiments of B. Pharm. students.

**Equipment :** Tissue culture station, Gel electrophoresis, Microscope with stage micrometer, Autoclave, Hot air oven, B.O.D. incubator, Laminar air flow, Colony counter, Zone reader etc.

#### **Lab: Pharmacognosy**

**Equipment :** Camera Lucida, Eye piece micrometer, Flourimeter, Vacuum pump, Micropipettes, Micro Centrifuge, Projection Microscope, Clavengers apparatus, Soxhlet apparatus, TLC chamber and sprayer, Distillation unit, Muffle furnace etc.

#### **Lab: Pharmaceutical Chemistry**

The laboratory is well equipped to perform experiments of medicinal and pharmaceutical chemistry.

**Equipment:** Microwave Oven, Reflux flask and condenser, single necked Reflux flask and condenser, double triple necked reflux flask and condenser, Arsenic Limit Test Apparatus, Digital balance 10mg and 1mg sensitivity, Distillation Unit, Melting Point Apparatus etc

#### **Lab: Pharmaceutics**

The laboratory is well equipped to perform experiments of Pharmaceutics.


**Equipment:** Ostwald's viscometer, Stalagmometer, Desiccator, Suppository moulds,

Buchner Funnels (Small, medium, large), Filtration assembly, Homogenizer, Microscope, Stage and eye piece micrometers, Brookfield’s viscometer, Brookfield’s Rheometer, Tray dryer, Ball mill, Sieve shaker with sieve set, Propeller type mechanical agitator, Autoclave, Steam distillation still, Vacuum Pump, Tablet punching machine, Capsule filling machine, Ampoule washing machine, Ampoule filling and sealing machine, Tablet disintegration test apparatus IP, Tablet dissolution test apparatus IP, Monsanto’s hardness tester, Friability test apparatus, Clarity test apparatus, Ointment filling machine, Tablet coating pan, All purpose equipment with all accessories, Aseptic Cabinet, Bulk Density Apparatus etc.

**Lab: Computer Lab**

The lab is equipped with 30 computers along with printers for students. Lab is supplied by LAN internet access.

**Equipment:** Computers

<p><b>2. MEDICINAL GARDEN</b></p>	
<p>Medicinal garden is available for conducting practicals in Pharmacognosy.</p>	



### 3. CENTRAL INSTRUMENTATION FACILITIES

The centralized instrumental facility has following sophisticated instruments.

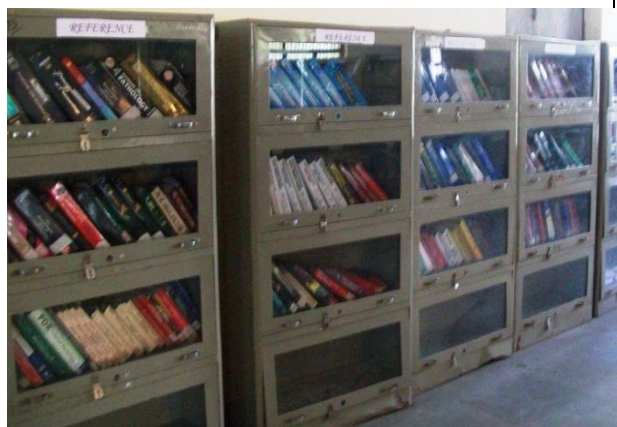
**Equipment :** UV- Visible Spectrophotometer, HPLC, fluorimeter, Colorimeter, Digital pH meter, Digital Balance (1mg sensitivity), Flame Photometer, Conductivity meter, Potentiometer, turbidimeter, Ultrasonic cell crusher etc.



### 4. LIBRARY

**Books:** Departmental library is enriched with a wide range of books. A good number of titles are available for the benefit of students. Besides text books as per requirement of the syllabus, various reference books are available i.e. BP, USP, IP, Merck index, encyclopedia of pharmaceutical technology, Burger series, Books of Marcel Dekker Inc i.e. Banker and Rhodes, Lachman and Lieberman etc.

**Journals:** Online journal database like Springerlink, Tylor and Francis etc are available through LAN UGC consortium and Inlibnet.



### 5. INTERNET FACILITY

Department of pharmacy has a computer centre and a campus-wide Internet facility. The entire campus is connected with the Local Area Network. University provides free Internet facilities to all students in campus.

### **SEMINARS/ WORKSHOPS**

Three days programme on 'Entrepreneurial Scope in Pharmaceutical Sciences' from 23 to 25 April 2015, was held in Department of Pharmacy. Programme was organized under the aegis of 'The National Science and Technology Entrepreneurship Development and Department of Science technology (DST), Govt of India.

## **PLACEMENT**

Students are working in various reputed pharmaceutical companies like Ranbaxy, Cipla, Cadila, Panacea Biotech etc

## **SYLLABUS**

**Go to link <http://www.dbrau.ac.in/syllabus.html>**

## **APPROVAL STATUS**

The Department is approved by Pharmacy Council of India (PCI) for B.Pharm Course

**Standard Inspection Format**