



Dr. Bhimrao Ambedkar University, Agra

A State University of Uttar Pradesh (Paliwal Park, Agra -282004)

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A Documentary Support

for

Matric No. – 1.1.1

Programme Outcomes & Course Outcomes

under the

Criteria – I

(Curriculum Design and Development)

Key Indicator - 1.1

in

Matric No. – 1.1.1

MASTER OF PHARM(PHARMACOGNOSY)

2021


Registrar
Dr. B.R.A. University, Agra

Mapping:



Local Need



Regional



National



Global Need

PROGRAM OBJECTIVES

<u>Sr.No</u>	<u>POs</u>
1	To progress in professional specialization leading to Master degree so as to increase inclination for higher education and research studies.
2	To acquire knowledge, skills and techniques to identify analyze and solve realistic problems at diverse area of professional practice
3	To cater needs of society, industry, health care and to contribute in R&D
4	To adapt professional values, morality, ethics and interpersonal skills to practiceprofession
5	To Comprehend current national and global issues in pharmacy profession and foster lifelong learning

Name of Programme	M.Pharma (Pharmacognosy)
Course wise Cos	

YEAR/ Sem	SUBJECT & SUBJECT CODE	Course Outcomes (COs)
1 sem	Advanced Pharmacognosy1 MPG101T	CO1: List the various classes of phytoconstituents and describe their biosynthesis, isolation and characterization
		CO2: Outline the process of drug discovery from plants and discuss the various steps involved in drug development
		CO3: Compare the different methods of extraction and fractionation of phytoconstituents
		CO4: Describe the phytochemical fingerprinting of extracts by chromatography techniques
	Phytochemistry MPG102T	CO1: List the various classes of phytoconstituents and describe their biosynthesis, isolation and characterization
		CO2: Outline the process of drug discovery from plants and discuss the various steps involved in drug development
		CO3: Compare the different methods of extraction and fractionation of phytoconstituents
		CO4: Describe the phytochemical fingerprinting of extracts by chromatography techniques

YEAR/ Sem	SUBJECT & SUBJECT CODE	Course Outcomes (COs)
1 Sem	Industrial Pharmacognostical Technology MPG103T	CO 1: Starting up of new herbal drug industry.
		CO 2: Regulatory requirements/ documentation for starting a new natural drug industry
		CO 3: Export and import policies in herbal industry sector

YEAR/ Sem	SUBJECT & SUBJECT CODE	Course Outcomes (COs)
2 Sem	Medicinal Plant Biotechnology MPG201T	CO 1: State the role of plant biotechnology and rDNA technology in the field of pharmacy.
		CO 2: Explain the different techniques of plant tissue culture and their applications
		CO 3: Discuss the various strategies for improving the yield of secondary metabolites
		CO 4: Describe the genetic engineering technique for the production of transgenic plants and analysis of plant genomes
	Advanced Pharmacognosy2 MPG202T	CO 1: Definition and objectives of Pharmacognosy. Information about the use of Medicinal plants. Plant as a source of drugs of pharmaceutical interest
		CO 2: Biogenesis and biological activity of natural products coming from mevalonate, terpenoids and steroids
		CO 3: Occurrence, isolation, characterization, identification, biosynthesis and activity profile of biologically active natural products

YEAR/ Sem	SUBJECT & SUBJECT CODE	Course Outcomes (COs)
2 Sem	Indian System Of Medicine MPG203T	CO 1: To understand Fundamental concepts and different dosage forms of the ISM. Study of Ayurvedic Pharmacopoeia
		CO 2: Study of the basic principles and treatment modalities. Study of Yoga and its different streams
		CO 3: To study salient features of the techniques of preparation of some of the important class of Formulations as per Ayurveda, Siddha, 13 Homeopathy and Unani Pharmacopoeia
		CO 4: To understand Good Manufacturing Practice of Indian systems of medicine, Components of GMP (Schedule – T) and its objectives
	Herbal Cosmetics MPG204T	CO 1: Understand raw material as source of herbal drugs from cultivation to herbal drug product

	CO 2: know the WHO and ICH guidelines for evaluation of herbal drug
	CO 3: know the herbal cosmetics, natural sweeteners, nutraceuticals
	CO 4: appreciate patenting of herbal drugs, GMP

PROGRAM SPECIFIC OUTCOMES

<u>Sr.No</u>	<u>PSOs</u>
I	Knowledge: Enable graduates to understand the core and basic knowledge in different subjects of pharmaceutical sciences as per the requirement of pharmaceutical sectors.
II	Employment & Entrepreneur: Enable graduate to succeed in technical or professional careers in various pharmaceutical industry/institute or health care system
III	Professional Practice: Enable graduate to practice profession and adapt in a globe of constantly developing trends
IV	Lifelong Learning & Professional Ethics: Enable graduate to streams a lifelong career of personal and practicing professional growth with ethical codes and self esteem