Geethanjali College of Pharmacy

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH & B. Pharmacy Accredited by NBA Recognized Under UGC Section 2F & 12B of UGC Act, 1956, by DSIR-SIRO & HI/BI of MSME, Certified by ISO 9001:2015

Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

NAAC CRITERION-1

Curricular Aspects

1.2 Academic Flexibility

1.2.1. Percentage of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented

S.No.	File No	File Description
2.	1.2.1 (2)	Syllabi of programmes having CBCS system

B. PHARMACY I YEAR COURSE STRUCTURE AND SYLLABUS

Effective from Academic Year 2017-18 Admitted Batch

I Year I semester

S.	Course Code	Subject	L	Т	Р	Credits
No						
1	PS101	Human Anatomy and Physiology I	3	1	-	4
2	PS102	Pharmaceutical Analysis I	3	1	-	4
3	PS103	Pharmaceutics I	3	1	-	4
4	PS104	Pharmaceutical Inorganic Chemistry-I	3	1	-	4
5	HS105	Communication skills	2	-	- 2	2
6	BS106/BS107	Remedial Biology / Remedial Mathematics	2	-	-//	2
7	PS108	Human Anatomy and Physiology-I lab	- 14	- ,	4	2
8	PS109	Pharmaceutical Analysis-I lab	-	- 1	4	2
9	PS110	Pharmaceutics I lab	-/	-	4	2
10	PS111	Pharmaceutical Inorganic Chemistry-I lab	%- &	13/	, 4	2
11	HS112	Communication skills lab	-	_	2	1
12	BS113	Remedial Biology lab	-	-	2	1
6.1		Total	16	4	20	30#/29\$

^{*}Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course.

I Year II semester

S. No	Course Code	Subject	L	Т	Р	Credits
1	PS201	Human Anatomy and Physiology II	3	1	_	4
2	PS202	Pharmaceutical Organic Chemistry I	3	1	-	4
3	BS203	Biochemistry	3	1	-	4
4	B8204	Pathophyslology	3	1		4
5	CS205	Computer Applications in Pharmacy	3	-	-	3
6	BS206	Environmental Sciences	3	-	-	3
7	PS207	Human Anatomy and Physiology II lab	-	-	4	2
8	PS208	Pharmaceutical Organic Chemistry I lab	-	-	4	2
9	BS209	Biochemistry lab	-	-	4	2
10	CS210	Computer Applications in Pharmacy lab	-	-	2	1
11	*MC200	NSS	-	-	-	-
		Total	18	4	14	29

^{*}MC - Mandatory Course - Satisfactory/ Unsatisfactory.

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[Type text]

^{\$}Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

B. PHARMACY II YEAR SYLLABUS (R17)

Effective from Academic Year 2017-18 Admitted Batch

II YEAR I SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	PS301	Pharmaceutical Organic Chemistry-II	3	1	0	4
2	PS302	Physical Pharmaceutics-I	3	1	0	4
3	BS303	Pharmaceutical Microbiology	3	1	0	4
4	PC304	Pharmaceutical Engineering	3	1	0	4
5	PS305	Pharmaceutical Organic Chemistry-II Lab	0	0	4	2
6	PS306	Physical Pharmaceutics-I Lab	0	0	4	2
7	BS307	Pharmaceutical Microbiology Lab	0	0	4	2
8	PC308	Pharmaceutical Engineering Lab	0	0	4	2
9	*MC300	NSO	0	0	0	0
=		Total Credits	12	04	17	24

II YEAR II SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	PS401	Pharmaceutical Organic Chemistry-III	3	1	0	4
2	PC402	Medicinal Chemistry-I	3	1	0	4
3	PS403	Physical Pharmaceutics-II	3	1	0	4
4	PC404	Pharmacology-I	3	1	0	4
5	PC405	Pharmacognosy and Phytochemistry-I	3	1	0	4
б	PC406	Medicinal Chemistry I Lab	0	0	4	2
7	PS407	Physical Pharmaceutics-II Lab	0	0	4	2
8	PC408	Pharmacology-I Lab	0	0	4	2
9	PC409	Pharmacognosy and Phytochemistry-I Lab	0	0	4	2
10	*MC400	Gender Sensitization Lab	1	0	0	0
		Total Credits	16	05	16	28

*MC-Satisfactory/Dissatisfactory

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. PHARMACY III YEAR COURSE STRUCTURE AND SYLLABUS

Effective from Academic Year 2017-18 Admitted Batch

III Year I Semester

	Course			_		
S. No.	Code	Course Title	L	Т	Р	Credits
1	PS501	Medicinal Chemistry II	3	1	0	4
2	PS502	Industrial Pharmacy - I	3	1	0	4
3	PS503	Pharmacology II	3	1	0	4
4	PS504	Pharmacognosy and Phytochemistry - II	3	1	0	4
5	PS505 PS506 PS507 PS508	Open Elective - I I. Generic Product Development II. Green Chemistry III. Cell and Molecular Biology IV. Cosmetic science	3	1	0	4
6	PS509	Industrial Pharmacy lab	0	0	4	2
7	PS510	Pharmacology - II lab	0	0	4	2
8	PS511	Pharmacognosy and Phytochemistry - II lab	. 0	0	4	2
9	*MC500	Environmental sciences	1	0	0	0
		Total	16	05	12	26

III Year II Semester

S. No.	Course Code	Course Title	L	T	Р	Credits
1	PS601	Medicinal Chemistry - III	3	1	0	4
2	PS602	Pharmacology - III	3	1	0	4
3	PS603	Herbal Drug Technology	3	1	0	4
4	PS604	Biopharmaceutics and Pharmacokinetics	3	1	0	4
6	PS605 PS606 PS607 PS608	Open Elective - II I. Pharmaceutical Quality Assurance II. Pharmaceutical Biotechnology III. Dioinformatics IV. Screening Methods in Pharmacology	3	1	0	4
6	PS609	Medicinal chemistry - III lab	0	0	4	2
/	PS610	Pharmacology - III lab	0	0	4	2
8	PS611	Herbal Drug Technology lab	0	0	4	2
9	*MC600	Human Values and Professional Ethics	1	0	0	0
		Total	16	05	12	26

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. PHARMACY IV YEAR COURSE STRUCTURE AND SYLLABUS

Effective from Academic Year 2017-18 Admitted Batch

IV Year I Semester

S.No	Course	Course Title	_	_	T-	
-	Code	Course Title	L	T	P	Credits
1	PS701	Instrumental Methods of Analysis			_	J. Cart.
2	PS702	Industrial Pharmacy-II	3	1	0	4
3	PS703	Phormony Drawit	3	1	0	4
4	PS704	Pharmacy Practice	3	1	0	4
5	F3704	Novel Drug Delivery Systems	3	1	0	
5	Maria Maria	Open Elective - III		+ '	-	4
	PS705	i. Pharmaceutical Marketing	3	1	0	4
	PS706	ii. Pharmaceutical Regulatory Science				
	PS707	iii. Pharmacovigilance				
	PS708	. Harriacovignance		l		
	00	addity Control and Standardization of				
6	D0=	Herbals				
	PS709	Instrumental Methods of Analysis Lab				
7	PS710	Practice School	0	0	4	2
8	PS711	Industrial Training	0	0	4	2
		madetiai Hailiiliy	0	0	2	1
		Total	15	5	10	25

IV Year II Semester

S.No	Course		1	1		
	Code	Course Title	L	T	P	Credits
1	PS801	Biostatistics and Research Methodology				3.54.10
2	PS802	Social and Preventive Pharmacy	3	1	0	4
3	PS803	Pharmaceutical Jurisprudence	3	1	0	4
4		Open Elective - IV	3	0	0	3
	PS804 PS805 PS806 PS807	i. Computer Aided Drug Design ii. Nano Technology iii. Experimental Pharmacology iv. Advanced Instrumentation Techniques	3	1	0	4
5	PS808	Project Work				
			0	0	6	3
		Total	12	3	6	18

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M.PHARMACY (PHARMACEUTICS / PHARMACEUTICAL TECHNOLOGY)

COURSE STRUCTURE AND SYLLABUS Effective from Academic Year 2019-20 Admitted Batch

I YEAR I Semester

Course Code	Course Title				T _
Professional	Modern Pharmaceutics-I			Р	Credits
Core-I	- Harridoculios-i	3	0	0	3
Professional	Annlied Richarmanastics LD				
Core-II	Applied Biopharmaceutics and Pharmacokinetics	3	0	0	3
Professional Elective-I	 Advanced Physical Pharmaceutics Drug Regulatory affairs Total Quality Management 	3	0	0	3
Professional Selective-II	 Cosmetics and Cosmeceuticals Pharmaceutical Validation Stability of Drugs and Dosage Forms 	3	0	- 0	3
	Research methodology and IPR	2	0		
Laboratory- I	Modern Pharmaceutics – I Lab		0	0	2
Laboratory- II	Applied Biopharmacouties and Di	0	0	4	2
Audit - I	Applied Biopharmaceutics and Pharmacokinetics Lab Audit Course - I	0	0	4	2
	TOTAL	2	0	0	0
	TOTAL	16	0	8	18

I YEAR II Semester

Course Code	Course Title			_	
Professional Core-III	Modern Pharmaceutics - II	3	T	P 0	Credits 3
Professional Core-IV	Advanced Drug Delivery Systems	3	0	0	3
Professional Elective-III	 Industrial Pharmacy Herbal Cosmetics Pharmaceutical Management 	3	0	0	3
Professional Plective-IV	 Nano based Drug Delivery Systems Nutraceuticals Clinical Research and Pharmacovigilance 	3	0	0	3
Laboratory- III	Modern Pharmaceutics – II Lab	0	0	4	2
Laboratory- IV	Advanced Drug Delivery System Lab	0	0	4	2
Audit - II	Mini Project with Seminar Audit Course - II	2	0	0	2
	TOTAL	2	0	0	0
	TOTAL	16	0	8	18

II YEAR I Semester

Course Code	Course Title	L	Т	Р	Credits
Professional Elective-V	 Biostatistics Scale up and Technology Transfer Production area, Design and Packaging Development 	3	0	0	3
Open Elective	Open Elective	3	0	0	3
Dissertation	Dissertation Work Review - II	0	0	12	6
	TOTAL	6	0	12	12

II YEAR II Semester

Course Code	Course Title	L	Т	Р	Credits
Dissertation	Dissertation Work Review - III	0	0	12	6
Dissertation	Dissertation Viva-Voce	0	0	28	14
	TOTAL	0	0	40	20

^{*}For Dissertation Work Review - I, Please refer 7.8 in R19 Academic Regulations.

Audit Courses | & II:

- 1. English for Research Paper Writing
- 2. Disaster Management
- 3. Sanskrit for Technological Learning
- 4. Value Education
- 5. Constitution of India
- 6. Pedagogy Studies
- 7. Stress Management by Yoga
- 8. Personality Development through Life Enlightenment Skills



M.PHARMACY (PHARMACEUTICAL ANALYSIS)

R19 COURSE STRUCTURE AND SYLLABUS Effective from Academic Year 2019-20 Admitted Batch

I YEAR I Semester

Course Code	Course Title	L	Т	Р	Credits
Professional	Modern Pharmaceutical Analytical Techniques	3	0	0	3
Core-I		"			J
Professional	Pharmaceutical and Food Analysis	3	0	0	3
Core-II	, , , , , , , , , , , , , , , , , , , ,	"			3
Professional	1. Advanced Pharmaceutical Analysis	3	0	0	3
Elective-I	2. Drug Regulatory Affairs				
	3. Phytochemistry				
Professional	Quality control and Quality Assurance	3	0	0	3
Elective-II	2. Cosmetics and Cosmeceuticals				
Licotive-II	3. Stability of Drugs and Dosage forms				
A 2	Research Methodology & IPR	2	0	0	2
Laboratory-I	Modern Pharmaceutical Analytical Techniques lab	0	0	4	2
Laboratory-II	Pharmaceutical and food Analysis Lab	0	0	4	2
Audit - II	Audit course - I	2	0	0	0
	TOTAL	16	0	8	18

I YEAR II Semester

Course Code	Course Title	L	T	Р	Credits
Professional Core-III	Advanced Instrumental Analysis I	3	0	0	3
Professional Core-IV	Modern Bio-analytical Techniques	3	0	0	3
Professional Elective-III	 Pharmaceutical Validation Herbal Cosmetics Pharmacoepidemology and Pharmacoeconomics 	3	0	0	3
Professional Elective-IV	 Advanced Instrumental Analysis - II Nutraceuticals Clinical Research and Pharmacovigilance 	3	0	0	3
Laboratory-III	Advanced Instrumental Analysis I Lab	0	0	4	2
Laboratory-IV	Modern Bio analytical Techniques Lab	0	0	4	2
A 111 11	Mini Project with Seminar	2	0	0	2
Audit - II	Audit Course - II	2	0	0	0
	TOTAL	16	0	8	18

II YEAR I Semester

Course Code	Course Title	L	Т	Р	Credits
Professional Elective-V	 Biostatistics Scale up and Technology Transfer Production Area Design and Packaging Development 	3	0	0	3
Open Elective	Open Elective	3	0	0	3
Dissertation	Dissertation Work Review - II	0	0	12	6
	Total	. 6	0	12	12

II YEAR II SEMESTER

Course Code	Course Title	L	T	Р	Credits
Dissertation	Dissertation Work Review - III	0	0	12	6
Dissertation	Dissertation Viva-Voce	0	0	28	14
	Total	0	0	40	20

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M.PHARMACY (PHARMACEUTICAL REGULATORY AFFAIRS)

R19 COURSE STRUCTURE AND SYLLABUS Effective from Academic Year 2019-20 Admitted Batch

I YEAR I Semester

Course Code	Course Title	L	Т	P	Credits
Professional	Good Regulatory Practice	3	0	0	3
Core-I					
Professional	Drug Regulatory Affairs	3	0	0	3
Core-II		_	-		
Professional	Intellectual Property Rights	3	0	0	3
Elective-I	2. Total Quality Management				-
	3. Pharmaceutical Validation				
Professional	1. Stability of Drugs and Dosage forms	3	0	0	3
Elective-II	2. Pharmaceutical Formulation Technology				
	3. Documentation and Regulatory Writing				
	Research methodology and IPR	2	0	0	2
Laboratory- I	Regulatory Practice and Documentation Lab	0	0	4	2
Laboratory- II	Drug Regulation and Registration Lab	0	0	4	2
Audit - I	Audit Course - I	2	0	0	0
	Total	16	0	8	18

I YEAR II Semester

Course Code	Course Title	L	Т	Р	Credits
Professional	Regulatory aspects of medical devices	3	0	0	3
Core-III					56790
Professional	Regulatory aspects of herbals and biologicals	3	0	0	3
Core-IV					07904
Professional	1. Regulatory aspects of food and Nutraceuticals	3	0	0	3
Elective-III	2. Biostatistics and Research Methodology				
	3. Nano based Drug delivery systems				
Professional	1. Clinical research and Pharmacovigilance	3	0	0	3
Elective-IV	2. Nutraceuticals				-
	3. Advanced Drug Delivery Systems				
Laboratory- III	Regulatory aspects of herbals and biologicals Lab	0	0	4	2
Laboratory- IV	Regulatory aspects of medical devices Lab	0	0	4	2
	Mini Project with Seminar	2	0	0	2
Audit - II	Audit Course - II	2	0	0	0
	Total	16	0	8	18

PRINCIPAL

II YEAR I Semester

Course Code	Course Title	L	T	Р	Credits
Professional	Analytical Method validation	3	0	0	3
Elective-V	2. Pharmaceutical Industry Management3. Pharmaceutical Production technology				
Open Elective	Open Elective	_	_		
	• order or approximation of the second of th	3	U	0	3
Dissertation	Dissertation Work Review - II	0	0	12	6
	Total	6	0	12	12

II YEAR II SEMESTER

Course Code	Course Title	L	Т	Р	Credits
Dissertation	Dissertation Work Review - III	0	0	12	6
Dissertation	Dissertation Viva-Voce	0	0	28	14
	Total /	0	0	40	20

^{*}For Dissertation Work Review - I, Please refer 7.8 in R19 Academic Regulations.

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- 1. English for Research Paper Writing
- 2. Disaster Management
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- 8. Personality Development through Life Enlightenment Skills

