1.3.1. A - LIST OF COURSES ON GENDER, ENVIRONMENTAL SUSTAINABILITY ETC

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
	Bachelor of Medicine & Surgery	Anatomy		V	\checkmark				
1	(MBBS)	Physiology			√	V			V
1		Biochemistry		√	√	V			1
		Pharmacology			√	V	V		V
		Pathology			√				
		Microbiology			√				
		FMT		к и	√ √				V
		Community Medicine	1	V	V	√	V	V	V
		ENT			1		_		
		Ophthalmology			1				
		General Medicine			√		V		- 1
	9	General Surgery		V	√		V		V
		Obs./Gyn.	1		V	1	√	V	·
		Pediatrics	1		√	√		`	
		Paper I			V				
		Paper II			√				
	M.D. Anatomy	Paper III			√				
2		Paper IV			√	= =			

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Page **1** of **35**

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S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
3	M. D.	Paper I			√				
	Physiology	Paper II			√				
		Paper III							
		Paper IV			$\sqrt{}$				
	M. D.	Paper I							
4	Pathology	Paper II			V				
		Paper III			$\sqrt{}$				
		Paper IV			$\sqrt{}$				
	M. D.	Paper I		V	V				V
5	Microbiology	Paper II		$\sqrt{}$					V
		Paper III		V	$\sqrt{}$				V
		Paper IV		\checkmark	$\sqrt{}$				$\sqrt{}$
		Paper I			$\sqrt{}$				
		Paper II			$\sqrt{}$				
	M. D. Pharmacology	Paper III			\checkmark				
6		Paper IV							

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Paper I	$\sqrt{}$	V	$\sqrt{}$	V	V	$\sqrt{}$	V
7	MD Community Medicine (PSM)	Paper II			$\sqrt{}$	V		V	
	(1 SN1)	Paper III			$\sqrt{}$	√		$\sqrt{}$	
		Paper IV			\checkmark	√		√	
	MD General	Paper I			V		√		√
8	Medicine	Paper II			V		√		
		Paper III			$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
		Paper IV			$\sqrt{}$		\checkmark		\checkmark
9	MD Pediatrics	Paper I	V		$\sqrt{}$	V	V		
9		Paper II	V		$\sqrt{}$	V	√		
		Paper III	V		V	V	√		
		Paper IV	$\sqrt{}$		$\sqrt{}$	V	$\sqrt{}$		
	MS General	Paper I		$\sqrt{}$	$\sqrt{}$		$\sqrt{}$		
10	Surgery	Paper II		V	V		√		
		Paper III		$\sqrt{}$			√		
		Paper IV		$\sqrt{}$	$\sqrt{}$		\checkmark		

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Paper I			$\sqrt{}$				
) (D D !!	Paper II			$\sqrt{}$				
11	MD Radio Diagnosis	Paper III			$\sqrt{}$				
		Paper IV			$\sqrt{}$				
		Paper I	√		V	√	V	V	
	MS Obs./Gyn.	Paper II	√		V	√	V	V	
12		Paper III	√		√	V	V	V	
12		Paper IV	√		V	√	V	V	
		Paper I			V				
13	MD Anesthesia	Paper II			$\sqrt{}$				
		Paper III			V				
		Paper IV			V				

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Paper II							
		Paper III			$\sqrt{}$				
		Paper IV						$\sqrt{}$	
15	M.S. ENT	Paper I						$\sqrt{}$	
13		Paper II			$\sqrt{}$			$\sqrt{}$	
		Paper III							
		Paper IV							
		Paper I			$\sqrt{}$				
		Paper II							
		Paper III			V				
	M.S. Ophthalmology	Paper IV			V				
16									

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Paper I			$\sqrt{}$				
17	M. D. Dermatology	Paper II			V				
		Paper III			V				
		Paper IV			V				
	M. D.	Paper I		V	V	V			V
18	Biochemistry	Paper II			$\sqrt{}$				
		Paper III			V				
		Paper IV			V				
	Deele le conf	General Anatomy	√		√	√	V	V	
	Bachelor of Dental Surgery (BDS)	General Physiology & Biochemistry		V	√		√		
19	(320)	Dental Anatomy,Embryology and Oral Histology		$\sqrt{}$	V		V		
		General Pathology & Microbiology			√		$\sqrt{}$		V

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		General & Dental Pharmacology & Therapeutics	V		\checkmark	V	V		
		Dental Materials	V		√	√	√	√	
		Pre-Clinical Prosthodontics (Pract)	√		√	√	√	V	
		Pre-Clinical Conservative Dentistry (Pract)		\checkmark	$\sqrt{}$		\checkmark		
		General Medicine			$\sqrt{}$		V		$\sqrt{}$
		General Surgery			√		√		√
		Oral Pathology & Microbiology			√		√		√
		Oral Medicine & Radiology	√		√	√	√	√	
		Pediatric & Preventive Dentistry	√		√	√	√	√	
		Periodontics	V		$\sqrt{}$	√	√	V	
		Prosthodontics and Crown & Bridge	√		√	√	√	√	
		Conservative Dentistry & Endodontics		V	V		V		
		Oral & Maxillo facial Surgery		√	$ \sqrt{} $		√		

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Orthodontics & Dentofacial Orthopaedics							
		Public Health Dentistry			√		V		√
	MDS in Prosthodontics	Paper I	√		\checkmark	√	$\sqrt{}$		
20	and Crown &	Paper II	√		V	V	√		
20	Bridge	Paper III	$\sqrt{}$		$\sqrt{}$	V	$\sqrt{}$		
		Paper IV		\checkmark	\checkmark		$\sqrt{}$		
	MDS in Conservative	Paper I		V	√		V		
	Dentistry &	Paper II						√	
21	Endodontics	Paper III						$\sqrt{}$	
		Paper IV						\checkmark	
	MDS in Oral and	Paper I			√		$\sqrt{}$	√	√
	Maxillofacial	Paper II			V	V	V		
22	Surgery	Paper III	$\sqrt{}$		V	V			
		Paper IV	V		V	√	V		

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
23	MDS in Periodontology	Paper I	$\sqrt{}$		\checkmark	\checkmark	$\sqrt{}$		
		Paper II		V	V		√		
		Paper III		V	V		V		
		Paper IV							
24	MDS in Oral Pathology & Microbiology & Forensic Odontology	Paper I							
		Paper II	√		\checkmark	\checkmark	$\sqrt{}$	√	
		Paper III	V			√	√	√	
		Paper IV	√			V	√	√	
25	MDS in Orthodontics & Dentofacial Orthopaedics	Paper I	\		$\sqrt{}$	V	V		
		Paper II		V			√		
		Paper III		$\sqrt{}$	$\sqrt{}$		$\sqrt{}$	$\sqrt{}$	
		Paper IV						V	

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
26	MDS in Paedodontics & Preventive Dentistry	Paper I			$\sqrt{}$		V	V	V
		Paper II			$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		
		Paper III			V		√		V
		Paper IV			V		√		V
27	Fellowship in Cleft Lip & Palate	Paper I	√		V	√	V		
28	Fellowship in Micro Endodontics	Paper I	√		$\sqrt{}$	√	V		
29	Diploma in Dental Clinical Auxillary	Paper I	√		V	√	V		
30	PG Diploma in Conscious Sedation	Paper I		V	V		V		
31	PG Diploma in Dental Implantology	Paper I	V		√	V	V	V	
32	Bachelor of Physiotherapy	Human Anatomy	$\sqrt{}$					$\sqrt{}$	
		Human Physiology						$\sqrt{}$	
		Biochemistry				V		V	
		Fundamentals of exercise therapy				√			

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Fundamentals of				$\sqrt{}$			
		electrotherapy				·			
		Pharmacology				√			
		Pathology &							
		Microbiology				,	•		
		Exercise therapy				√			
		Electrotherapy							
		Psychology	$\sqrt{}$		$\sqrt{}$		$\sqrt{}$	$\sqrt{}$	
		Surgery & Orthopaedics			\checkmark	√			
		Medicine			V	√			
		Obstetrics & Gynecology			V	V			
		Physical Diagnosis & manipulative skills			$\sqrt{}$	V	√		
		Community Health sociology and biostatics	V	√	V	√		V	V
		Psychiatry	$\sqrt{}$		$\sqrt{}$	V	V	V	
		Pediatrics	V			V	V	V	
		Physiotherapy in musculoskeletal condition	V			V	V	V	
		Physiotherapy in Neurosciences	V			√	√	√	
		Physiotherapy in General Medicine & Surgical conditions	V			V	V	V	

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Physiotherapy in Community Health	$\sqrt{}$	$\sqrt{}$		\checkmark	$\sqrt{}$	\checkmark	
		Ethics & Principles in Physiotherapy Practice			V		V		V
33	MPTh in Musculoskeletal	Basic sciences	\checkmark			\checkmark			
	sciences	Basic therapeutics	$\sqrt{}$		√	V			
		Advanced therapeutics				√			
		Biostatistics and research methodology			$\sqrt{}$		V	$\sqrt{}$	V
		General physiotherapy			$\sqrt{}$	√	V	$\sqrt{}$	
		Specialty subject			$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
		Basic sciences	$\sqrt{}$			\checkmark			
	MPTh in	Basic therapeutics	$\sqrt{}$		√	V			
	Neurosciences	Advanced therapeutics				√			
34		Biostatistics and research methodology			√		V	√	√
		General physiotherapy		_	√	V	V	V	
		Specialty subject			$\sqrt{}$	V	$\sqrt{}$	$\sqrt{}$	

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
35	MPTh in Cardio pulmonary sciences	Basic sciences	√			V			
		Basic therapeutics	V		V	√			
		Advanced therapeutics				√			
		Biostatistics and research methodology			√		V	V	V
		General physiotherapy			\checkmark	V	V	V	
		Specialty subject			$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
36	MPTh in Pedeatric Neurology	Basic sciences	V			$\sqrt{}$			
		Basic therapeutics			$\sqrt{}$				
		Advanced therapeutics				√			
		Biostatistics and research methodology			$\sqrt{}$		√	$\sqrt{}$	V
		General physiotherapy			$\sqrt{}$	√	$\sqrt{}$	V	
		Specialty subject			$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	
37	MPTh in Community Health	Basic sciences	V			V			
		Basic therapeutics	√		$\sqrt{}$	√			
		Advanced therapeutics				√			

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Biostatistics and research methodology			\checkmark		V	$\sqrt{}$	$\sqrt{}$
		General physiotherapy			$\sqrt{}$	√	√	√	
		Specialty subject			V	V	√	√	
38	MPTh in Oncology Physiotherapy	Basic sciences	√			V			
		Basic therapeutics			$\sqrt{}$				
		Advanced therapeutics				√			
		Biostatistics and research methodology					V	√	√
		General physiotherapy				√	V	V	
		Specialty subject			$\sqrt{}$	V	$\sqrt{}$	$\sqrt{}$	
39	MPTh in Sports Physiotherapy	Basic sciences	√			√			
		Basic therapeutics	√		$\sqrt{}$	V			
		Advanced therapeutics				√			
		Biostatistics and research methodology			$\sqrt{}$		V	√	√
		General physiotherapy			√	√	√	V	
		Specialty subject			$\sqrt{}$	V	√	√	
40	Basic B. Sc. Nursing	Anatomy & Physiology							

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Nursing Foundation		$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
		Nutrition & Biochemistry	$\sqrt{}$			$\sqrt{}$			
		Psychology	V		$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
		Microbiology		V		V			
		Introduction to Computer (CEX)		$\sqrt{}$			$\sqrt{}$		
		English (CEX)					$\sqrt{}$		
		Sociology		$\sqrt{}$	$\sqrt{}$				
		Pharmacology, Pathology, Genetics				$\sqrt{}$			
		Community Health Nursing	√	V	\checkmark	V	V		
		Communication & Education Technology							
		Medical Surgical Nursing	√	√	√	√	√	√	√
		Medical Surgical Nursing		\checkmark	\checkmark	V	$\sqrt{}$	√	V
		Child Health Nursing	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
		Mental Health Nursing	√	\checkmark	\checkmark	$\sqrt{}$		\checkmark	
		Nursing Research & Statistics			√	√			
		Community Health Nsg - II					V	V	

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Midwifery & Obstetrical Nursing	V	√	\checkmark	√			\checkmark
		Management of Nursing Services & Education							√
		Nursing Foundation	V	V	$\sqrt{}$	√	√	√	V
		Nutrition & Dietetics					$\sqrt{}$		
		Biochemistry & Biophysics		V			\checkmark	\checkmark	
	Post Basic B.	Psychology				V		√	
	Sc. Nursing	Microbiology							
		Maternal Nursing		$\sqrt{}$	$\sqrt{}$				
		Child Health Nursing	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$			
41		Medical Surgical Nursing	$\sqrt{}$	V	$\sqrt{}$	V			
		English (CEX)				V			
		Community Health Nursing	√	V	$\sqrt{}$	√	√	√	√
		Introduction to Nursing Education			\checkmark		√	√	
		Introduction to Nursing Service Administration	√		V				
		Mental Health Nursing	√		$\sqrt{}$				

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Introduction to Nursing Research & Statistics (CEX)			$\sqrt{}$	√	\checkmark	V	V
		Sociology	V						
42	Medical Surgical Nursing	Nursing Education	V		√		V	V	V
		Advance Nursing Practice		V		√	√	V	
		Medical Surgical Nursing							
		Nursing Research and Statistics			$\sqrt{}$				
		Nursing Management							
		Medical Surgical Nursing	\checkmark	\checkmark	\checkmark	√	$\sqrt{}$	$\sqrt{}$	
43	Obstetrics and Gynecology Nursing	Nursing Education	V			√			
		Advance Nursing Practice	√		$\sqrt{}$				
		Obstetrics & Gynecology Nursing		V	$\sqrt{}$		√		
		Research and Statistics			√				√
		Nursing Management				V	√		
		Obstetrics & Gynecology Nursing	V	√	V	√	√	√	V

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
44	Child Health (Pediatrics) Nursing	Nursing Education		·		V			
		Advance Nursing Practice					$\sqrt{}$		
		Child Health (Pediatrics) Nursing	√	V	√	√	√	√	√
		Research and Statistics			√				
		Nursing Management							
		Child Health (Pediatrics) Nursing	√	V	√	√	V	V	
45	Community Health Nursing	Nursing Education						V	
		Advance Nursing Practice					√		√
		Community Health Nsg.	√	\checkmark	\checkmark	√	√	√	V
		Research and Statistics	V	V					
		Nursing Management			$\sqrt{}$				
		Community Health Nsg.	V	\checkmark	\checkmark	√	V	V	

S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
46	Mental Health (Psychiatric) N.	Nursing Education		•	V	√		√	
		Advance Nursing Practice	√						√
		mental Health Nursing		\checkmark		V	$\sqrt{}$		V
		Research and Statistics		$\sqrt{}$	\checkmark			$\sqrt{}$	
		Nursing Management							
		mental Health Nursing	√	√	√	√	√	√	√
47	M. Sc. In NPCC	Research application and Evidence based practice in critical care	√		\checkmark		√		~
		Advanced skills in leadership, management and teaching	V		√		V		V
		Advance Practice Courses Advanced Pathophysiology & Advanced pharmacology relevant to critical care nursing	V				V		V

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S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Advanced health/physical assessment		·	V		V		√
		Foundations of Critical Care Nursing Practice			V		V		√
		Critical Care Nursing I	√		$\sqrt{}$		V		\checkmark
		Critical Care Nursing II	√		√		√		√
48	PG Diploma in Operation Theater Techniques for Nurses	Paper I			√		√		V
49	PG Diploma in Neonatology for Nurses	Paper I	√	V	V		V		√
50	PG Diploma in Wound Care Management	Paper I	√			√	V		√
51	PG Diploma in Breastfeeding Counseling	Paper I		V	V			V	V

52	PG Diploma if Quick Response Nurses Team	Paper I	V	Environment		V	V	Engaging	√
S.r No	Name of the Programme	Name of the Course	Gender	and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Human Anatomy and Physiology I (Theory) – Sem I	V						
		Pharmaceutical Analysis I (Theory)– Sem I							
53	B. Pharmacy	Pharmaceutics I (Theory)– Sem I							
		Pharmaceutical Inorganic Chemistry (Theory) – Sem I							
		Communication Skill *(Theory)– Sem I							
		Remedial Biology /Remedial Maths* (Theory)- Sem I	V						
		Human Anatomy and Physiology I (Practical)– Sem I							
		Pharmaceutical Analysis I(Practical) – Sem I							

		Pharmaceutics I (Practical)– Sem I							
		Pharmaceutical Inorganic Chemistry (Practical)— Sem I							
S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Communication Skill* (Practical)–							
		Sem I							
		Remedial Biology*							
		(Practical) - Sem I							
		Human Anatomy and	,						
		Physiology II	$\sqrt{}$						
		(Theory) – Sem II Pharmaceutical							
		Organic Chemistry-I							
		(Theory) – Sem II							
		Biochemistry				1			
		(Theory) – Sem II				V			
		Pathophysiology				-1			
		(Theory) – Sem II				V			
		Computer							
		Applications in							
		Pharmacy *							
		(Theory)– Sem II							

		Environmental Sciences* (Theory)– Sem - II		V					
		Human Anatomy and Physiology II (Practical)— Sem II							
S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Pharmaceutical Organic Chemistry - I(Practical)— Sem II		-					
		Biochemistry (Practical) – Sem II				√			
		Computer Applications in Pharmacy* (Practical)							
		- Sem II Pharmaceutical Organic Chemistry II (Theory) - Sem III							
		Physical Pharmaceutics I (Theory) – Sem III							

		Pharmaceutical Microbiology (Theory) – Sem III Pharmaceutical Engineering (Theory) – Sem III Pharmaceutical Organic Chemistry II (Practical)– Sem III				√ 			
		Physical Pharmaceutics I (Practical) – Sem III							
S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Pharmaceutical Microbiology (Practical) – Sem III				V			
		Microbiology				√			
		Microbiology (Practical) – Sem III Pharmaceutical Engineering (Practical) – Sem III Pharmaceutical Organic Chemistry III (Theory) – Sem IV				√			
		Microbiology (Practical) – Sem III Pharmaceutical Engineering (Practical) – Sem III Pharmaceutical Organic Chemistry III				√			

		Pharmacology I (Theory) – Sem IV Pharmacognosy and Phytochemistry I (Theory) - Sem IV Medicinal Chemistry I (Practical) – Sem IV Physical Pharmaceutics II (Practical) – Sem IV				√ 			
S.r	Name of the	Pharmacology I (Practical) – Sem IV Name of the Course	Gender	Environment and	Human	√ Health	Right to Health	Emerging Demographic	Professional
No	Programme	rame of the Course	Genuer	Sustainability	Values	Determinants	Issue	Changes	Ethics
		Pharmacognosy and Phytochemistry I							
		(Practical) - Sem IV							
		Medicinal Chemistry II (Theory) - Sem V							
		Industrial PharmacyI (Theory) – Sem V							
		Pharmacology II (Theory) - Sem V				√			
		Pharmacognosy and							

		Pharmaceutical Jurisprudence (Theory) - Sem V Industrial Pharmacy I (Practical)-Sem V Pharmacology II (Practical) - Sem V Pharmacognosy and Phytochemistry (Practical) - Sem V Medicinal Chemistry III (Theory) - Sem VI Pharmacology III (Theory) - Sem VI				√	√ 		√
S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Biopharmaceutics and Pharmacokinetics (Theory)– Sem VI							
		Pharmaceutical Biotechnology (Theory)— Sem VI				V			
		Quality Assurance (Theory)– Sem VI							

		 1			
Medicinal Cher					
III (Practical) –	Sem				
VI					
Pharmacology	III				
(Practical) – Se	m VI		V		
Herbal Drug					
Technology					
(Practical) – Se					
Instrumental M	ethods				
of Analysis					
(Theory)– Sem					
Industrial Phari					
(Theory)– Sem	VII				
Pharmacy					
Practice(Theory	y) —				
Sem VII					
Novel Drug De					
System (Theory	y) —				
Sem VII					
Instrumental M	ethods				
of Analysis					
(Practical) – Se					
Practice School	l —				
Sem VII					
Biostatistics an	d				
Research					
Methodology -	Sem				
VIII					
Social and Prev					
Pharmacy - Ser	n VIII				

		Pharma Marketing							
		Management - Sem							
		VIII							
		Pharmaceutical							
		Regulatory Science -							
		Sem VIII							
		Pharmacovigilance -							
		Sem VIII							
		Quality Control and							
		Standardization of							
		Herbals - Sem VIII							
		Computer Aided							
		Drug Design - Sem							
		VIII							
		Cell and Molecular							
		Biology- Sem VIII							
		Cosmetic Science -							
		Sem VIII							
		Experimental							
		Pharmacology- Sem							
		VIII		T				T	
S.r	Name of the	Name of the Course	Gender	Environment and	Human	Health	Right to Health	Emerging	Professional
No	Programme	Name of the Course	Gender	Sustainability	Values	Determinants	Issue	Demographic Changes	Ethics
110		Advanced		Sustamasmity				Changes	
		Instrumentation							
		Techniques - Sem							
		VIII							
		Dietary Supplements							
		and Nutraceuticals -							
		Sem VIII							

		Pharmaceutical							
		Product Development							
		Project Work - Sem VIII							
54	M. Sc. Biotechnology	Foundation of Biochemistry for Biotechnologist	V		$\sqrt{}$		\checkmark		$\sqrt{}$
		Cell Biology and Biostatistics	√		√		V		√
		Microbiology & Immunology-I			$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
		Biochemical, Biophysical Immunochemical and Biotechnological Techniques	V	V	$\sqrt{}$		V		V
		Practical Course I	$\sqrt{}$				√		V
		Practical Course II		$\sqrt{}$	$\sqrt{}$				$\sqrt{}$
		Cell Physiology & Metabolism							
S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Molecular Biology &							
		Biotechnology							
		Microbiology &							
		Immunology-II				,			
		Foundation for use of							
		Computer,							
		Communications,							

	Microbiology	(Industrial Training) (Elective)							
55	M.Sc.	Vocational Training							
		Project Work (Elective)							
		Practical Course VII							
No	Programme	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Sustainability	values	Determinants	Issue	Changes	Euncs
S.r	Name of the	Name of the Course	Gender	Environment and	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic	Professional Ethics
		Microbiology and Biotechnology							
		Pharmaceutical							
		Recombinant DNA Technology							
		Culture							
		Animal Tissue							
		Enzyme Technology							
		Practical Course VI							
		Practical Course V							
		Biotechnologist							
		Bioinformatics for							
		Industrial Fermentations							
		Plant Tissue culture							
		Biotechnology	V						
		Practical Course IV Environmental	,						
		Practical Course III							
		Presentation							
		Scientific Writing and							

		Fundamentals for use of Computers, Communications	√	V	√		V		√
		Medical Microbiology and Immunology II			V		V		$\sqrt{}$
S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Microbial Genetics and Molecular Biology	√		V		V		
		Microbial Physiology and Metabolism		,					·
		Practical Course I Practical Course II	√	V	√	√	V	√	√ √
		Biophysical Immunochemical and Microbiological Techniques	V	V	V		V		V
		Medical Microbiology and Immunology-I Biochemical,			√		V		V
		Foundation of Cell Biology and Biostatistics for Microbiologist	V		V		V		V
		Foundation of Biochemistry for Microbiologist	√		V		V		√

		Skills, Scien tific							
		Writing and							
		Presentation							
		Practical Course III			$\sqrt{}$		V		$\sqrt{}$
		Practcal Course IV			$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
		Food and Dairy Microbiology	V	V	√		√		V
		Microbial Technology – I	√			V	V		V
		Environmental and Applied Microbiology		$\sqrt{}$	$\sqrt{}$			$\sqrt{}$	V
		Bioinformatics for Microbiologist							
		Practical Course V			$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
		Practical Course VI			$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
		Enzymology		$\sqrt{}$	$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
		Microbial Technology II							
		Recombinant DNA Technology	√		\checkmark		√		V
		Pharmaceutical Microbiology			$\sqrt{}$		√		V
S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Practical Course VII	$\sqrt{}$		$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
		Project Work (Elective)							
		Vocational Training (Industrial Training) (Elective)							

		Foundation of Cell Biochemistry and Macromolecules	V		V		V		√
	M.Sc.	Fundamentals of Cell Biology and Biostatistics	V		V		V		V
	Pharmaceutical Microbiology	Essentials of Microbiology and Immunology			$\sqrt{}$		V		$\sqrt{}$
		Tools and Techniques in Biosciences	√	\checkmark	$\sqrt{}$		V		$\sqrt{}$
		Practical Course I				V	$\sqrt{}$		V
56		Practical Course II		$\sqrt{}$	$\sqrt{}$			$\sqrt{}$	$\sqrt{}$
		Cell physiology and metabolism	√				V		√
		Molecular biology			V		V		V
		Medical Microbiology	√	V	√		V		√
		Fundamentals for communication skills & scientific writing and presentation	V		V		V		V
S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Practical Course III	$\sqrt{}$		$\sqrt{}$				$\sqrt{}$
		Practical Course IV			$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
		Immunology	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
		Fermentation Technology & Process Design	V						V

		Biological World Fundamentals of Physics and Biophysics for		<u>√</u>	√			√	√
57	BSc Biotechnology	Fundamentals of Microbial and					$\sqrt{}$		$\sqrt{}$
S.r No	Name of the Programme	Name of the Course	Gender	Environment and Sustainability	Human Values	Health Determinants	Right to Health Issue	Emerging Demographic Changes	Professional Ethics
		Vocational Training (Industrial Training) (Elective)	V	$\sqrt{}$	$\sqrt{}$		\checkmark		V
		Project Work (Elective)			√		√		√
		Practical Course VII	V		V		V		√
		Pharmaceutical Microbiology	√		√		V		√
		Genetic Engineering		$\sqrt{}$	$\sqrt{}$			√	$\sqrt{}$
		Quality Management & IPR	√			√	V		√
		Enzymology	,	V	V	,	,	V	, V
		Practical Course V Practical Course VI	√	V	V		√	V	\ \ \ \ \ \
		Bioinformatics Dragtical Course V	√	ما	2	V	V	√ 	ν 1
		Microbial Diversity and Extremophiles		√	√			V	√

	Fundamentals of Chemistry for Biologists	V			V	V		V
	Fundamentals of Biosciences – Botany and Zoology		√ =	1			√	V
I	Basics of Bacteriology, Virology and Rickettsialogy	1	_	√		- 1	-	V
I I I	Basics of Mycology, Phycology and Protozoalogy			√		٧ -		٧
l l	Introduction to the world of amazing microorganisms	7	√	V		\checkmark		1
H	Basics techniques in Microbiology, Biotechnology and Environmental Sciences	7	-		7	V		1

Dean (Academics)

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