

School of Medical Sciences and Technology

Course Structure

Undergraduate Programs:

Bachelor of Science (BSc)

Postgraduate Programs:

Master of Science (MSc)

Curricular structure for First year First Semester undergraduate (BSc) Courses

S.No	SUBJECT	L	T	P	C	Max. Marks		
						INT	EXT	TOTAL
1	Human Anatomy - I	4	-	-	4	30	70	100
2	Human Physiology - I	4	-	-	4	30	70	100
3	Medical Bio-chemistry- I	4	-	-	4	30	70	100
4	Sociology	2	-	-	2	30	70	100
5	English and Communication Skills	2	-	-	2	30	70	100
6	Basics of Computers	1	-	2	2	30	70	100
7	Human Anatomy - I Practical	-	-	4	2	30	70	100
8	Human Physiology - I Practical	-	-	4	2	30	70	100
9	Environmental Awareness	2	-	-	2	100	-	100
	TOTAL	19	-	10	24	340	560	900

Curricular structure for First year First Semester Postgraduate (MSc) Courses

Clinical Nutrition and Dietetics

S. No.	SUBJECT	L	T	P	C	MAX. MARKS		
						INT	EXT	TOTAL
1.	Principles of Human Nutrition	3	1	-	4	40	60	100
2.	Nutritional Biochemistry	3	1	-	4	40	60	100
3	Food Science & Technology	3	1	-	4	40	60	100
4	Community Nutrition & Public Health	2	1	-	3	40	60	100
5	Biostatistics and Research Methodology	3	-	-	3	40	60	100
6	Practical I: Nutritional Assessment & Diet Planning	-	-	4	2	40	60	100
TOTAL		14	4	4	20	240	360	600

Reproductive Sciences and Clinical Embryology

Sl. No.	SUBJECT	L	T	P	C	MAX. MARKS		
						INT	EXT	TOTAL
1.	Infertility and Reproductive Disorders	3	-	-	3	40	60	100
2.	Cell Biology and Genetics	3	-	-	3	40	60	100
3	Human Reproductive Anatomy and Physiology	3	-	-	3	40	60	100
4	Andrology Laboratory Practices-1	3	-	-	3	40	60	100
5	Biostatistics and Research Methodology	3	-	-	3	40	60	100
6	Andrology - Practical -1	-	-	16	8	40	60	100
TOTAL		15	-	16	23	240	360	600

Forensic Science & Technology

S.NO	SUBJECT	L	T	P	C	Max. Marks		
						INT	EXT	TOTAL
1	Introduction to Forensic Science and Criminal Justice System	3	-	-	3	40	60	100
2	Crime Scene Management and Forensic Photography	3	-	-	3	40	60	100
3	Forensic Biology and Biochemistry	4	-	-	4	40	60	100
4	Forensic Chemistry	4	-	-	4	40	60	100
5	Research Methodology and Biostatistics	4	-	-	4	40	60	100
6	Practical: Crime Scene Management and Forensic Photography	-	-	4	2	40	60	100
7	Practical: Forensic Biology	-	-	4	2	40	60	100
8	Practical: Forensic Chemistry	-	-	4	2	40	60	100
TOTAL		18	-	12	24	320	480	800

Clinical Embryology and ART

Sl. No.	SUBJECT	L	T	P	C	MAX. MARKS		
						INT	EXT	TOTAL
1.	Infertility and Reproductive Disorders	3	-	-	3	40	60	100
2.	Cell Biology and Genetics	3	-	-	3	40	60	100
3	Human Reproductive Anatomy and Physiology	3	-	-	3	40	60	100
4	Andrology Laboratory Practices-1	3	-	-	3	40	60	100
5	Biostatistics and Research Methodology	3	-	-	3	40	60	100
6	Andrology - Practical -1	-	-	16	8	40	60	100
TOTAL		15		16	23	240	360	600

Clinical Research

Sl. No.	SUBJECT	L	T	P	C	MAX. MARKS		
						INT	EXT	TOTAL
1.	Introduction to Clinical Research & Development	3	-	-	3	40	60	100
2.	Fundamentals of Anatomy, Physiology & Biochemistry	3	-	-	3	40	60	100
	Fundamentals of Pharmacology	3			3	40	60	100
3	Biostatistics & Epidemiology	3	-	-	3	40	60	100
4	Research Methodology & Study Design	3	-	-	3	40	60	100
5	Ethics in Clinical Research & Regulatory Guidelines (ICH-GCP, Schedule Y, CDSCO, WHO)	3	-	-	3	40	60	100
6	Computer Applications & Data Management in Research	3	-	-	3	40	60	100
TOTAL		21			21	280	420	700

Human Genetics

S.NO	SUBJECT	L	T	P	C	Max. Marks		
						INT	EXT	TOTAL
1	Cell Biology	3	-	-	3	40	60	100
2	Human Physiology-1	3	-	-	3	40	60	100
3	Medical Bio-chemistry- I	3	-	-	3	40	60	100
4	Genetics and Genomics	3	-	-	3	40	60	100
5	Fundamentals of Molecular Biology	3	-	-	3	40	60	100
6	Research Methodology and Biostatistics	3	-	-	3	40	60	100
7	Stress Management	3	-	-	3	40	60	100
TOTAL		21	-	-	21	280	420	700