



INTEGRAL UNIVERSITY, LUCKNOW

**INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES & RESEARCH
DEPARTMENT OF ALLIED AND HEALTHCARE SCIENCES**

Bachelors of Dialysis Therapy Technology (BDTT)

**YEAR/ SEMESTER
I/I & II**

Evaluation Scheme & PEOs-POs-PSOs



**Integral University, Lucknow Department of
Allied and Healthcare Sciences
Evaluation Scheme**

Program: BDTT

Semester-I

S. N.	Course code	Course Title	Result in Group (RG)#	Type of Paper	Period Per hr./week/sem.			Evaluation Scheme				Total Marks	Credit	Total Credits
					L	T	P	Theory		Practical				
								CIE (a)	ESE (b)	CIE (a)	ESE (c)	Theory: a+(b÷2) =100 Practical: a + c =100		
1.	BDTT001	Medical Terminology and Record keeping (including anatomical terms)		Core	2	-	-	100	-	-	-	100	2:0:0	2
2.	BDTT002	Professionalism and values & Indian Constitution		Core	2	-	-	100	-	-	-	100	2:0:0	2
3.	BDTT003	Human Anatomy	A	Core	4	1	-	50	100	-	-	100	4:1:0	5
4.	BDTT004	Human Physiology	B	Core	4	1	-	50	100	-	-	100	4:1:0	5
5.	BDTT005	Biochemistry	C	Core	4	1	-	50	100	-	-	100	4:1:0	5
6.	BDTT006	Introduction to Dialysis Therapy		Core	1	1	-	50	100	-	-	100	1:1:0	2
PRACTICALS														
7.	BDTT007	Human Anatomy (Practicals)	A	Core	-	-	4	50	-	-	50	100	0:0:2	2
8.	BDTT008	Human Physiology (Practicals)	B	Core	-	-	4	50	-	-	50	100	0:0:2	2
9.	BDTT009	Biochemistry (Practicals)	C	Core	-	-	4	50	-	-	50	100	0:0:2	2
10.	BDTT010	Community orientation and clinical visit (CT)		Core	-	2	-	100	-	-	-	100	0:2:0	2
		Total			17	06	06	650	400		150	1000		29

S. N.	Course code	Course Title	Type of Paper	Attributes							United Nation Sustainable Development Goal (SDGs)
				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES & PRACTICALS											
1	BDTT001	Medical Terminology and Record keeping (including anatomical terms)	Core	√	√	√	√		√	√	3,4
2	BDTT002	Professionalism and values & Indian Constitution	Core	√	√	√	√		√	√	3,4
3	BDTT003	Human Anatomy	Core	√	√	√	√		√	√	3,4
4	BDTT004	Human Physiology	Core	√	√	√	√		√	√	3,4
5	BDTT005	Biochemistry	Core	√	√	√	√		√	√	3,4
6	BDTT006	Introduction to Dialysis Therapy	Core	√	√	√	√		√	√	3,4

L: Lecture **T:** Tutorials **P:** Practical **CIE:** Continuous Internal Examination, **ESE:** End Semester Examination, **Subject Total: Theory: a+(b÷2) =100 and for Practical: a + c =100**

Note:

- Marks qualifying for a passing for End Semester Examination subjects:** 50% in internal assessment, 50% in theory examination, 50% in practical examination and 50% in aggregate.
- # Results in Group (RG)** – For Programs wherein Theory and Practical's (Lab Course) are assessed jointly (RG), the passing minimum for the theory exams and Practical exams have to be obtained separately, in order to be declared passed in the individual courses and thereby earning the credits for both Theory and Practical courses. Reappearance in any one of the components (Theory or Practical) is treated as reappear in both these components (Theory and Practical's).



**Integral University, Lucknow Department of
Allied and Healthcare Sciences
Evaluation Scheme**

Program: BDTT

Semester-II

S. N.	Course code	Course Title	Result in Group (RG)#	Type of Paper	Period Per hr./week/sem.			Evaluation Scheme				Total Marks	Credit	Total Credits
					L	T	P	Theory		Practical				
								CIA (a)	ESE (b)	CIA (a)	ESE (c)	Theory: a+(b÷2) =100 Practical: a + c =100		
1.	BDTT011	Pathology	E	Core	4	--	--	50	100	--	--	100	4:0:0	4
2.	BDTT012	Microbiology	F	Core	4	--	--	50	100	--	--	100	4:0:0	4
3.	BDTT013	General Pharmacology		Core	4	--	--	50	100	--	--	100	4:0:0	4
4.	BDTT014	Applied anatomy & physiology related to Dialysis Therapy	G	Core	4	--	--	50	100	--	--	100	4:0:0	4
5.	BDTT015	Fundamentals of Dialysis Therapy	H	Core	3	--	--	50	100	--	--	100	3:0:0	3
PRACTICAL														
6.	BDTT016	Pathology (Practicals)	E	Core	--	--	1	--	--	50	50	100	1:0:0	1
7.	BDTT017	Microbiology (Practicals)	F	Core	--	--		--	--	50	50	100	1:0:0	1
8.	BDTT018	Applied anatomy & physiology related to Dialysis Therapy (Practicals)	G	Core	--	--	1	--	--	50	50	100	1:0:0	1
9.	BDTT019	Fundamentals of Dialysis Therapy (Practicals)	H	Core	--	--	1	--	--	50	50	100	1:0:0	1
10.	BDTT020	Clinical Postings I (CT)	--	Core	--	--	3	--	--	50	50	100	3:0:0	3
		TOTAL	--	--	--	--	--	--	500	250	250	1000	--	24

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				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES & PRACTICALS											
1	BDTT011	Pathology	Core	√	√	√	√		√	√	3,4
2	BDTT012	Microbiology	Core	√	√	√	√		√	√	3,4
3	BDTT013	General Pharmacology	Core	√	√	√	√		√	√	3,4
4	BDTT014	Applied anatomy & physiology related to Dialysis Therapy	Core	√	√	√	√		√	√	3,4
5	BDTT015	Fundamentals of Dialysis Therapy	Core	√	√	√	√		√	√	3,4
6	BDTT016	Pathology (Practicals)	Core	√	√	√	√		√	√	3,4
7	BDTT017	Microbiology (Practicals)	Core	√	√	√	√		√	√	3,4
8	BDTT018	Applied anatomy & physiology related to Dialysis Therapy (Practicals)	Core	√	√	√	√		√	√	3,4
9	BDTT019	Fundamentals of Dialysis Therapy (Practicals)	Core	√	√	√	√		√	√	3,4
10	BDTT020	Clinical Postings I (CT)	Core	√	√	√	√		√	√	3,4

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Bachelors of Dialysis Therapy Technology (BDTT)



Program Educational Outcomes (PEOs)

Program Educational Outcomes (PEOs)

Bachelors of Dialysis Therapy Technology (BDTT)

The PEOs are broad statements that describe the career and professional accomplishments that the program is preparing its graduates to achieve in few years subsequent to receiving the degree. The PEO's of the BDTT program are as follows and the graduates of the Integral University BDTT program will be expected to:

PEO1:	Upgrade knowledge and skills in a changing healthcare scenario. Communicate with other members of healthcare team, customers and patients in an effective manner.
PEO2:	Should be able to extrapolate data acquired. Perform routine clinical laboratory testing.
PEO3:	Make specimen-oriented decisions on predetermined criteria including working knowledge of critical values. Process information and ensure quality control as appropriate to routine laboratory procedures.
PEO4:	Train students in routine laboratory procedure. Should know the logical interpretation of clinical lab investigations.
PEO5:	Should be able to working on automated machine. Every individual to address problem solving and judgement in efficient manner.

Bachelors of Dialysis Therapy Technology (BDTT)



**PROGRAMME OUTCOMES
(POs)**

Programme Outcomes (POs)

Bachelors of Dialysis Therapy Technology (BDTT)

Programme Outcomes (POs) POs and its Attributes: -

Program Outcomes (POs) are attributes of the graduates of the Programme that are the B.Sc. BDTT Programme is to prepare students to deal with all the clinical laboratory investigations on clinical samples for laboratory diagnosis of various diseases. Blood, tissue and body fluids are analyzed and examined for various types of foreign organisms and abnormalities. This information is then used by the medical team to make decisions regarding a patient's medical care. 85% of all medical decisions are based on the results of clinical laboratory investigation reports. The graduates of medical laboratory Sciences Programme of the Integral University will be expected to:

PO-1:	Collection and receiving of specimens (infectious samples i.e. blood, urine, stool, sputum, pus, semen, tissues and body fluids) for various biochemical, pathological, microbiological, haematological and blood bank investigations, etc
PO-2:	To perform and validate various investigations for the purpose of differential diagnosis.
PO-3:	Calibration and standardization of glassware 's and other laboratory equipment.
PO-4:	Standardization and selection of test analytical procedures.
PO-5:	Maintenance of supplies of laboratory reagents / diagnostic kits.
PO-6:	Evaluation of reagents and diagnostic kit for diagnostic suitability.
PO-7:	Maintenance of quality control for reliability of laboratory reports.
PO-8:	Preparation of chemical and biological reagents.
PO-9:	Supervision, organization of work and personnel management.
PO-10:	Maintenance of records and preparation.
PO-11:	Then they analyze the results and relay them to physicians.
PO-12:	Then they analyze the results and relay them to physicians.

Bachelors of Dialysis Therapy Technology (BDTT)



**Program Specific Outcomes
(PSOs)**

Program Specific Outcomes (PSOs)

Bachelors of Dialysis Therapy Technology (BDTT)

Program Specific Objectives (PSOs) are specific statements that describe the professional career accomplishment that the program is designed. The PSO's of the BDTT program are as follows:

PSO1:	Understanding the basic concepts, theories of applied sciences (physics, chemistry, Anatomy, physiology, Biochemistry, pathology) relevant to Dialysis Therapy Technology.
PSO2:	To prepare accomplished professionals in renal replacement therapies with a specific emphasis on clinical skills and knowledge of dialysis therapies.
PSO3:	The students acquire the knowledge and procedural skills necessary to deliver a high standard of care to patients with chronic kidney disease requiring renal replacement therapy.
PSO4:	This program involves all aspects of care for patients undergoing chronic hemodialysis and continuous ambulatory peritoneal dialysis (CAPD), renal transplant coordination as well as RRTs in the intensive care unit.
PSO5:	To contribute to a new generation of academic dialysis professionals equipped to address the challenging problems in renal replacement therapy & Other Extracorporeal Therapies.