



INTEGRAL UNIVERSITY, LUCKNOW

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

**Baccalaureate in Anaesthesia & Operation Theatre Technology
(B.AOTT)**

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

PEOs-POs-PSOs



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

Program: BAOTT

Semester-I

S. N.	Course code	Course Title	Type of Paper	Period Per hr./week/sem.			Evaluation Scheme				Total Marks	Credit	Total Credits
				L	T	P	Theory		Practical				
							IA	SEE	IA	SEE			
1.	BAOTT001	Introduction to Healthcare Delivery System in India	Core	3	1	-	10	40	-	-	50	3:1:0	4
2.	BAOTT002	Medical Terminology and Record keeping (including anatomical terms)	Core	2	1	-	10	40	-	-	50	2:1:0	3
3.	BAOTT003	Anatomy	Core	4	1	2	20	80	10	40	150	4:1:1	6
4.	BAOTT004	Physiology	Core	4	1	2	20	80	10	40	150	4:1:1	6
5.	BAOTT005	Health Care Quality & Patient Safety	Core	3	1	2	10	40	20	30	150	3:1:1	5
		Total		16	5	6	70	280	40	110	500		24

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	BAOTT001	Introduction to Healthcare Delivery System in India	Core	√	√	√	√		√	√	3,4
2	BAOTT002	Medical Terminology and Record keeping (including anatomical terms)	Core	√	√	√	√		√	√	3,4
3	BAOTT003	Anatomy	Core	√	√	√	√		√	√	3,4
4	BAOTT004	Physiology	Core	√	√	√	√		√	√	3,4
5	BAOTT005	Health Care Quality & Patient Safety	Core	√	√	√	√		√	√	3,4

L: Lecture **T:** Tutorials **P:** Practical **IA:** Internal Assessment **SEE:** Semester End Examination, **Subject Total:** Internal Assessment (IA) + Semester End Examination (SEE)

Note: Scheme of Evaluation:

- The academic performance is assessed on the basis of both Continuous Internal Evaluation (CIE) assessment and End Semester Examination (ESE) in each semester. ESE weightage will be in the ratio of 30 % for CIE and 70 % for ESE.
- Criteria for pass:** A Candidate must score 50% separately in theory and practical wherever applicable to be declared as pass. In case of fail, subsequently a candidate has to appear for both theory and practical examination of the university in that particular course.



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

Program: BAOTT

Semester-II

S. N.	Course code	Course Title	Type of Paper	Period Per hr./week/sem.			Evaluation Scheme				Total Marks	Credit	Total Credits
				L	T	P	Theory		Practical				
							IA	SEE	IA	SEE			
1.	BAOTT-006	Medical Law & Ethics, Principles of Management	Core	4	---	---	10	40	---	---	50	4:0:0	4
2.	BAOTT-007	Basics of Biomedical Sciences in Surgery & Anesthesia	Core	3	---	---	10	40	---	---	50	3:0:0	3
3.	BAOTT-008	Biochemistry & Hematology	Core	3	---	---	10+10	40+ 40	20	30	150	3:0:0	3
4.	BAOTT-009	Pathology & Microbiology	Core	4	---	---	10+10	40+40	---	---	100	4:0:0	4
5.	BAOTT-010	Basic Concept in Pharmacology	Core	2	---	---	10	40	---	---	50	2:0:0	2
6.	BAOTT-011	Basic Computer & Information Sciences, Communication & Soft Skills	Core	4	---	---	10	40	20	30	100	3:0:0	4
		Total		20			80	320	40	60	500	---	20

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	BAOTT-006	Medical Law & Ethics, Principles of Management	Core	√	√	√	√		√	√	3,4
2	BAOTT-007	Basics of Biomedical Sciences in Surgery & Anesthesia	Core	√	√	√	√		√	√	3,4
3	BAOTT-008	Biochemistry & Hematology	Core	√	√	√	√		√	√	3,4
4	BAOTT-009	Pathology & Microbiology	Core	√	√	√	√		√	√	3,4
5	BAOTT-010	Basic Concept in Pharmacology	Core	√	√	√	√		√	√	3,4
6	BAOTT-011	Basic Computer & Information Sciences, Communication & Soft Skills	Core	√	√	√	√		√	√	3,4

L: Lecture **T:** Tutorials **P:** Practical **CIE:** Continuous Internal Examination, **ESE:** End Semester Examination, **Subject Total:** Continuous Internal Examination (CIE) + End Semester Examination (ESE)

Note: Scheme of Evaluation:

- The academic performance is assessed on the basis of both Continuous Internal Evaluation (CIE) assessment and End Semester Examination (ESE) in each semester. ESE weightage will be in the ratio of 30 % for CIE and 70 % for ESE.
- Criteria for pass:** A Candidate must score 50% separately in theory and practical wherever applicable to be declared as pass. In case of fail, subsequently a candidate has to appear for both theory and practical examination of the university in that particular course.

Baccalaureate in Anaesthesia & Operation Theatre Technology- (B.AOTT)



Program Educational Outcomes (PEOs)

Program Educational Outcomes (PEOs)

Baccalaureate in Anaesthesia & Operation Theatre Technology (B.AOTT)

The PEOs are broad statements that describe the career and professional accomplishments that the program is preparing its graduates to achieve in a few year subsequent to receiving the degree. The PEOs of the Baccalaureate in Anaesthesia & Operation Theatre Technology (B.AOTT) program are as follows, and the B.AOTT program graduates of the Integral University will be expected to:

PEO1:	Equip students with knowledge and skills in Anaesthesia & Operation Theatre Technology to effectively assist in surgical procedures and manage operation theatre environments..
PEO2:	Develop the ability to work collaboratively with the healthcare team to ensure the safety and comfort of patients during surgical procedures.
PEO3:	Enhance students' proficiency in handling surgical instruments, sterilization techniques, and infection control practices.
PEO4:	Foster critical thinking and problem-solving skills to handle emergencies and unforeseen situations in the operation theatre.
PEO5:	Encourage lifelong learning and professional development to keep pace with evolving medical technologies and practices.

Baccalaureate in Anaesthesia & Operation

Theatre Technology- (B.AOTT)



PROGRAMME OUTCOMES

(POs)

Programme Outcomes (POs)

Baccalaureate in Anaesthesia & Operation Theatre Technology (B.AOTT)

Programme Outcomes (POs): -

Program Outcomes (POs) are attributes of the graduates of the program that are designed to prepare students to effectively manage and assist in various surgical procedures within the operation theatre. The Baccalaureate in Anaesthesia & Operation Theatre Technology (B.AOTT) program focuses on equipping students with the necessary knowledge, skills, and competencies required assisting the surgical team, Anaesthesia team, managing operation theatre equipment and ensuring a sterile environment. The information and assistance provided by B.AOTT professionals significantly contribute to the success of surgical procedures and patient care. The graduates of the Baccalaureate in Anaesthesia & Operation Theatre Technology (B.AOTT) Program of Integral University will be expected to:

PO-1:	Demonstrate comprehensive knowledge of surgical procedures, Anaesthesia techniques, and operation theatre management.
PO-2:	Assist surgeons and anesthetists during surgeries with accuracy and efficiency.
PO-3:	Maintain and ensure the sterility of operation theatres, surgical instruments, and medical devices.
PO-4:	Implement infection control measures and follow universal precautions to minimize the risk of infections.
PO-5:	Operate and manage operation theatre equipment and machinery effectively.
PO-6:	Communicate effectively with surgeons, anaesthetists, nurses, and other healthcare professionals.
PO-7:	Document and maintain accurate records of surgical procedures and operation theatre inventory.
PO-8:	Follow professional ethics and demonstrate empathy, care, and concern for patients.
PO-9:	Adhere to hospital policies, protocols, and regulatory guidelines.
PO-10:	Adhere to hospital policies, protocols, and regulatory guidelines.
PO-11:	Participate in continuous professional development activities to enhance knowledge and skills.
PO-12:	Demonstrate an understanding of human values, professional ethics, and the importance of teamwork in healthcare settings.

Baccalaureate in Anaesthesia & Operation

Theatre Technology- (B.AOTT)



Program Specific Outcomes (PSOs)

Program Specific Outcomes (PSOs)

Baccalaureate in Anaesthesia & Operation Theatre Technology (B.AOTT)

Program Specific Objectives (PSOs) are specific statements that describe the professional career accomplishment that the program is designed. The PSO's of the Baccalaureate in Anaesthesia & Operation Theatre Technology (B.AOTT) program are as follows:

PSO1:	Gain practical knowledge and skills in handling surgical instruments, sterilization techniques, and operation theatre protocols.
PSO2:	Assist the surgical team effectively during various surgical procedures by preparing the operation theatre and ensuring aseptic conditions.
PSO3:	Demonstrate competency in operating and maintaining surgical and anesthesia equipment
PSO4:	Ensure the application of infection control measures, patient safety, and effective waste management practices in the operation theatre.
PSO5:	Develop the ability to handle emergencies, manage resources, and provide first aid in critical situations during surgical procedures.