

Branch Name:	B.Sc. AT
Program Code:	AS103
Course Title:	Advanced Anaesthesia Techniques – I & Basic Intensive Care
Course Code:	1AS1030301
Pre-requisite Course:	

Course Objectives:

The course is designed to provide students with the knowledge and skills required to work in operation theatres and assist anesthesiologists in the safe & efficient delivery of patient care during surgical procedures.

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory (Marks)		Practical (Marks)		Total (Marks)
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
08	-	12	14	100	100	50	50	300

Course Contents:

Unit No	Topic	Total Hours
1	1. Layout of operation theatre 2. Duties of anaesthesia OT technician 3. Operation table, O T lights & diathermy machine 4. Prevention of fire & electric hazards in OT 5. C- arm machine 6. History of anaesthesia 7. Anaesthesia machine in detail 8. Piped medical gases & Vacuum system 9. Pre-anaesthetic check-up and investigations 10. Anaesthesia equipment 11. Monitoring in anaesthesia in detail 12. Methods of drug administration 13. Consent for anaesthesia and surgery 14. Inhalational anaesthesia 15. Emergency drugs 16. Regional anaesthesia in detail 17. Scrubbing method 18. Medico legal problems 19. Hospital waste management 20. ICU Layout 21. ICU equipment 22. ICU nursing care 23. Monitoring in ICU	96

Practical

Unit No	Topic	Total Hours
I	1. Anaesthetic Procedures 2. Basics of ICU	144

Text Books/Reference Books:

1. Lee's Synopsis of Anesthesia by J N Cashman & J E Dinsmore
2. Miller's Anesthesia by Miller
3. Drugs in Anesthesiology by Vipin Kumar Dhama
4. Pharmacology & Physiology in Anesthesia Practise by Flood, Rathml& Shafer

Course Learning Outcomes (CLO):

Upon completion of a course students should have proper knowledge of drugs and anesthetic agents. Students should have knowledge of technical aspects anesthesia care, so they can assist anesthesiologists in administering different type of anesthesia.