



ALL INDIA COUNCIL FOR VOCATIONAL AND PARAMEDICAL SCIENCE

SYLLABUS
OF

DIPLOMA IN INTENSIVE CARE UNIT TECHNOLOGY – DICUT12

REGULAR PROGRAMME

DIPLOMA IN INTENSIVE CARE UNIT TECHNOLOGY – DICUT12

Eligibility	:	12 th
Programme Duration	:	2 Years
Programme Objectives	:	The operating theatre (ICU) technician is an integral person in the dynamic Intensive Care Unit team. The success of the procedures and safety of patients depends largely on the reliability of the ICU technician. This course will provide you with the technical and interpersonal skills required to work under the supervision of nursing, ICU, NICU
Job Prospects	:	After the completion of DICUT, you will find a challenging Career in a hospital, emergency centers, private laboratory, doctor's office or clinics. Common job profiles of students after completing DICUT include: Technician in Hospitals, Nursing Homes and Trauma Centers

Anatomy and physiology

1. General anatomy of human body
2. System of body
3. Function of each system
4. Diseases caused to each system
5. Care of each system

Physiology

1. Psychology definition
2. Psychology of sick person
3. Needs for psychology support to sick person
4. Mental adjustment of individuals
5. Care of mentally retired and insane person
6. Human body
7. Function of each organ
8. Disorder of organ

I C U Technician 1st year (Paper 2nd) Sociology & First Aid

1. Definition of sociology and social problem
2. How illness affect society
3. Role of society in preventing epidermis diseases

First aid

1. Definition
2. First aider –definition duties and responsibilities
3. Artificial respiration, electric shock, burns, control of bleeding, unconsciousness,
4. Fracture and injuries dislocation high, fever, something get struck in the throat

Drowning, insect bite, dog bite, snake bite, food poisoning, chemical poisoning

I C U technician 1st year (paper 3rd) Pathology & Radiology

1. Introduction of Pathology
2. Hematology
3. Coagulation & Blending Disorder
4. Liver & Kidney Disorder
5. Blood Group & Blood Transpires
6. Sample collection, storable Transpires

Radiology

1. NECT & CECT – brain, joints, abdomen, chest, face, neck and secretor
 2. X-ray – joints, boxes, chest, abdomen
 3. Ultrasound – abdomen
 4. MRI - joints, abdomen and all, part of body
- Dapper, EEG

I C U 2nd year paper 1st (microbiology)

1. Immunology & serology
2. Parasitological
3. Mycology
4. Clinical microbiology
5. General bacteriology
6. Systemic bacteriology
7. Immunology & serology
8. Clinical bacteriology

I cu 2nd year (paper 2nd) Equipments

Introduction (Definition)

Selection of appropriate patient Generic goals
Distributive justice

Immediate objectives: societal patient value

Types of ICU and staffing pattern

Classification on type of patient admitted

Classification on organizational structure

Staff requirements

Physical facilities, planning and designing

Location

Levels of provision

Special requirements

Intensive coronary care unit

Combined medical and surgical intensive care

Pediatric intensive care unit

I C U Technician 2nd Year (3rd paper) Monitoring

Equipment requirement

Monitoring equipment

Therapeutic equipment

Policy and procedures

Admission procedure

Day to day care and discharge procedure

Coordination and control