

UP STATE PARAMEDICAL FACULTY



Diploma in I C U (Intensive care unit) technician

Duration : 2 years +6 month internship

Eligibility

* Interested candidate must have passed 10+2 with physics chemistry biology or math with 40% marks by state board or any recognized board/ university.

Syllabus - FIRST YEAR

PAPER -I

1-Anatomy

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

2-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

PAPER -II

3- Sociology

1. Definition of sociology and social problem

2. How illness affect society
3. Role of society in preventing epidermis diseases

4-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

PAPER –III

5- Pathology

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

6- 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

Syllabus - SECOND YEAR

PAPER -I

1-Microbiology

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

PAPER –II

2- Equipments

a-Introduction - Selection of appropriate patient Generic goals

Distributive justice Immediate objectives: societal patient value

b-Types of ICU and staffing pattern

Classification on type of patient admitted

Classification on organizational structure

Staff requirements

c-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

PAPER –III

1-Monitoring

a-Equipment requirement

Monitoring equipment

Therapeutic equipment

b-Policy and procedures

Admission procedure

Day to day care and discharge procedure

Coordination and control

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