



CURRICULUM

(1) 2ND SEMESTER

(2) 3RD SEMESTER

(3) 4TH SEMESTER

DIPLOMA TECHNOLOGY

SURGICAL

**KHYBER PAKHTUNKHWA MEDICAL
FACULTY PESHAWAR.**

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CURRICULUM
FOR DIPLOMA COURSE IN SURGTICAL TECHNOLOGY PGPI LRH PESHAWAR.

	2 nd Semester	3 rd Semester	4 th Semester
Theory classes	180 hours	180 hours	180 hours
Clinical work/ Operation theatre	480 hrs	480 hrs	480 hrs
Total hrs:	660 hrs	660 hrs	660

Use of diagnostic procedures; Like X-rays /Ultrasonography and Endoscopy.

Knowledge about the following sub headings.

General Surgery

Orthopedics.

Gynaecology and obstetrics.

Urology.

Ophthalmology.

E.N.T surgery

Plastic surgery

Neuro surgery

Cardiothoracic surgery

Vascular surgery

Pediatric surgery.

Subjects: / Topics

2nd Semester

Paper A clinical Aspects of surgical patient

Paper B pre operation preparation for surgical patient

Surgical patient

-History taking

50 hours

-Examination

-investigations

-Diagnosis

Preparing a surgical patient.

-consent. Recording.

-pre-operative bath/shave of areas

Concerned. /patient.

-Recording. /change of dress.

80 hours.

-Advise to the pt regarding.

Anesthesia (NPO-Nill per oral midnight)

Intake/stoppage of necessary drugs

For Hypertensive's/Diabetics.

-Use of Anti-coagulants.

-pre-medication for Anesthesia

Knowledge of Asepsis.

(Infection control)

-Definition

50 hours

-sources of contamination

-pathogens Involved

-prevention of wound infection.

Paper A Basic Sterilization techniques

Paper B care of surgical patient

Sterilization

Knowledge about parameters of sterilized.

Methods of sterilization.

Control measures of sterilization

Things to be sterilization.

SURGICAL SCRUBBING/GOWNING/GLOVING.

Importance.

Operating room.(attire)

Knowledge of surgical scrubbing/

Gowning and Gloving

Duties in O.T.

Responsibility/Accountability

Regarding instruments.

Room clean up procedures after operations.

Daily cleaning weekly/monthly supervision

Knowledge about fumigation.

Positioning.

Preliminary Consideration about

Positioning.

Criteria for positioning.

Equipment for positioning.

Various operative positions

Patient: as an individual.

(Pre and post operative ethics

regarding handling of Patient:)

80-huurs

Paper A post op care of surgical patient
Paper B Basic surgical skills & procedures.
Preparation of Operative site and draping.
Knowledge of physical preparation prior
To operation.

Knowledge about catheterization 40- hours

Knowledge about skin preparation/
Draping.

Wound closure materials.

Basic Knowledge about sutures, suturing
Techniques. 40- hours

Packing and preparation of sutures and needles
for O.T.

Knowledge about surgical staples (clips), tissue
adhesives, tissue repair materials.

Knowledge about specialized, Surgical tools 100- hours

7. Antiseptic dressings.

8. Wound examination.

9. Wound dressing and scrubbing.

10. Techniques of stitch removal.

11. Techniques of PCP removal.

12. Techniques of drain removal.

13. Techniques of Intubation.

Candidates will be having a note book in which daily lectures/
demonstrations will be recorded.

They will be having pre/post op management record.

They will be able to perform the above task under supervision and
independently.

Assessment:

Students will be issued clinical progress cards which will be duly signed by
the focal person/incharge of that unit for their attendance/
conduct/Behavior/Grading.

The candidates will be assessed by focal persons on monthly basis for
evaluation of their performance and a proper record will be maintained for
their evaluation at the end of each semester.

The monthly test will include both:-

(A) viva voce.

(B) Papers.

(C) Clinical assessment.

(D) 90% attendance is must for each candidate, compulsory for promotion to the next semester/award of diploma.

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No.1

Discharge of patient
Input and output record
Ward management
Handling of surgical pt

No.2

Handling of surgical pt
Nasogastric tube insertion
Catheter insertion, stoma management

No.3

Pre op antibiotic
Pre op preparation for Gut surgery

No.4

Pre op sedation
Pre op medication, aspiration
Definition infection control antimicrobial
Therapy.
Bacteria, septicemia, emphysema, abscess.
Source of infection
Nasocomal infection

Diploma 2nd Semester in Psychiatry Technology

Course Title: Psychiatry Technology

Study Hours: 120+380

Paper: A&B

Semester: 2nd

Marks

theory: 80+80

Practical: 20+20

Paper: A

Course contents

Study Hours

(THEORY+PRACTICAL)

40+80

A.SPECIAL ANATOMY

A1 Neuron

A2 Surface anatomy of skull

A3 Meninges

A4 surface anatomy of brain especially motor & sensory cortex as well as brain stem

A5 gross anatomy of Cerebrum, cerebellum, Midbrain, Pons & Medulla oblongata

A6 Blood supply of the brain

A7 Enumerate Different cranial nerves

A8 Basal ganglia & Neuro transmitter

A9 synapses & Neuro transmitter

A10 Limbic system

A11 Imported Enzyme

A12 CSE (physiological anatomy & Path physiology)

B.SPECIAL PHYSIOLOGY 20+40

B1. Function of cerebrum. Cerebellum. Midbrain, pons & Medulla oblongata.

B2. What is synapse

B3. Enzyme and its function

B4. Important neurotransmitters

B5. Functions of basal ganglia & cerebral cortex

B6. Dominant & non-dominant hemisphere & their function

PAPER B,

C. PHARMACOLOGY AND ITS APPLICATION

C1. Anti epileptic

- C2. Anti depressant
- C3. Anti psychotics
- C4. Anti Axiolytics
- C5. Sedative
- C6. Sedative
- C7. Mood stabilizers
- C8. Anti cholinergic.

D. ETHICS

D1. Philosophical Ethics and clinical psychology 20+40

D1. 1 Ethics

D1. 2 Ethical theories

D1.3 ethical Principles

D2. Applied ethics in clinical psychology

D2.1 ethics in Psychotherapy

D2. 2 Methods and techniques of psychotherapy

D2. 3 ethics in psychological assessment

E. Practical 140

E1. Patients receiving

E2. Patient evaluation

E2.1 Neuro psychiatric examination

E2. 2 Behavioral Neurologic examination

E3. Investigation

E3.1 Routine investigation

E3. 2 Special investigation

E4. Patient management

E5. Patient counseling

E6. Patient preparation for procedure

Recommended books

Foundation of anatomy and physiology by Kathleen J.W. Wilson

Anatomy and physiology for nurses

Ethics in clinical psychology by JANE STEERE by Oxford University

General hospital psychiatry by MICH ALAN TAYLOR and others

Reference book

Neuro anatomy and physiology by SNELL.