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 SURGICAL TECHNOLOGY PGPI LRH PESHAWAR.

<table>
<thead>
<tr>
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<th>2nd Semester</th>
<th>3rd Semester</th>
<th>4th Semester</th>
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<tbody>
<tr>
<td>Theory classes</td>
<td>180 hours</td>
<td>180 hours</td>
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<tr>
<td>Clinical work/ Operation theatre</td>
<td>480 hrs</td>
<td>480 hrs</td>
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<tr>
<td>Total hrs:</td>
<td>660 hrs</td>
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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/stopage 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.
Page No 3
3rd Semester

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 sterilized.

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:)
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/drapping.
Wound closure materials.
Basic Knowledge about sutures, suturing 40- hours
Techniques.
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.
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.

Page No.5

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 2\textsuperscript{nd} Semester in Psychiatry Technology

Course Title: Psychiatry Technology

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<tr>
<th>Study Hours</th>
<th>Marks</th>
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Paper: A&B

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<tr>
<th>Paper</th>
<th>theory:</th>
<th>Practical:</th>
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<tbody>
<tr>
<td>A&amp;B</td>
<td>80+80</td>
<td>20+20</td>
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Semester: 2\textsuperscript{nd}

Paper: A

Course contents

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<th>Study Hours</th>
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<tr>
<td>(THEORY+PRACTICAL)</td>
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<td>40+80</td>
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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 & Medulaoblangata
A6 Blood supply of the brain
A7 Enumerate Different cranial nerves
A8 Basal ganglia & Neuro trasmitter
A9 synapes & Neuro trasmitter
A10 Lumbic back system
A11 Imported Enzyme
A12 CSE (physiological anatomy & Path physiology)

B.SPECIAL PHYSIOLOGY 20+40

B2. What is synapse
B3. Enzyme and his function
B4. Important neurotransmitters
B5. Functions of basal ganglia & cerebral cortex
B6. Dominant & non-dominant hemisphere &there function

PAPER B

C. PHARMACOLOGY AND HIS 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 kathleem 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.