



HAFEEZ INSTITUTE OF MEDICAL SCIENCES

DIPLOMA SURGICAL TECHNOLOGY

Curriculum, 2012 onward

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Use of diagnostic procedures: Like X-rays/ ultrasonography and Endos copy.

Knowledge about the following sub headings

General Surgery

Orthopedics

Gynecology and obstetrics

Urology

Ophthalmology

E.N.T Surgery

Plastic Surgery

Neuro Surgery

Cardiothoracic Surgery

Vascular Surgery

Pediatric Surgery

<u>Subjects:/Topics</u>	<u>2nd Semester</u>
Surgical Patient <ul style="list-style-type: none">• History taking• Examination• Investigations• Diagnosis	50 hours
Preparing a Surgical Patient <ul style="list-style-type: none">• Consent. Recording• Pre-operative bath /shave of area Concerned/patient • Recording wt. / change of dress• Advise to the pt regarding• Anesthesia (NPO-Nillper oral midnight) • Intake/stoppage of necessary drugs for Hypertensive/Diabetics• Use of Anti-coagulants• Pre-mediation for Anesthesia • Knowledge of a sepsis (Infection control)• Definition• Sources of contamination• Pathogens Involved• Prevention of wound infection	80 hours 50 hours

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3rd Semester

- Sterilization
 - Knowledge about parameters of sterilization
 - Methods, of sterilization
 - Control Measures of sterilization
 - Things to be sterilization
- 50 hours**

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 (Supervision)
Weekly / Monthly
- Knowledge about fumigation
- Positioning
- Preliminary consideration about
- Positioning

50 hours

- Criteria for Positioning
- Equipment for positioning
- Various operative positions
- Pt: as an individual
- (pre and post operative ethics
Regarding handling of Pt)

80 hours

4th Semester

1. Preparing of operative site and draping
Knowledge of physical preparation of prior
To operation
2. Knowledge about catheterization
Knowledge about skin preparation
Draping
3. Wound closure materials
Basic knowledge about sutures, suturing techniques
4. Packing and preparation of sutures and
Needles for O.T

5. Knowledge about surgical staples (clips),
Tissue adhesives, tissue repair material
6. Knowledge about specialized surgical tools
7. Antiseptic dressings
8. Wound examination
9. Wound dressing and scrubbing
10. Techniques of stitch removal
11. Techniques of POP removal
12. Techniques of drain removal
13. Techniques of intubation

- Candidates will be having a note book in which daily lectures/demonstrations be recorded
- They will be having pre/post op management record,
- They will be able to perform the above task under supervise and independently

ASSESSMENT

- Students will be issued clinical progress cards which will be duly signed by the focal person/In charge 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 be maintained for their evaluation 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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DUTIES OF SURGICAL TECHNICIAN

A surgical Technician will perform his duties in ward as well as in operation theatre.

He will assist the surgeon, anesthesiologist and professional registered nurse as a member of direct patient care team during surgical intervention.

He will assist by

- a. 1. Preparing
2. Handling
3. equipment

Supplied in O.T

b. Maintains safe therapeutic environment in O.T

c. He should have knowledge of

- Specific Techniques
- Procedures

d. He should have knowledge of

e. Anatomy Pharmacology Physiology Pathology Microbiology

f. Theory and application of operating room technology to operative procedures and O.T environment

He will be taught in aseptic techniques

Infection control

Sterilization

Disinfection

Surgical scrubbing, gowning and gloving

DIVISION OF DUTIES:-

- Work simplification and safety
- Accountability and liability

KNOWLEDGE ABOUT ANESTHESIA

He will be having a concept of anesthesia/techniques and various anesthetic agents

POSITIONING OF PATIENT ON O.T TABLE

He will be having basic knowledge about preparation of operative site and knowledge about closure materials.

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CURRICULUM
FOR DIPLOMA COURSE IN SURGICAL TECHNOLOGY

1 st Semester	2 nd Semester	3 rd Semester	4 th Semester
Theory classes	180 hours	18 hours	18 hours
Clinical work/operation threa:	480 hrs	480 hrs	480 hrs
Attachments			
Total hrs:	660 hrs	660 hrs	660 hrs

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