Health Technology

Paper A Internal Medicine-I
Paper B General Medicine

**Plan for 2\textsuperscript{nd} Semester for Health Technology**

After completion of 1\textsuperscript{st} Semester. The candidate proceeding to 2\textsuperscript{nd} semester till follow the course of chosen technology. The purpose of 2\textsuperscript{nd} semester is to expand the knowledge of the candidate in the chosen technology with exposure in practical aspect of the field.

**CURRICULUM FOR 2\textsuperscript{nd} SEMESTER HEALTH TECHNOLOGY**

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<th>S.NO</th>
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<tbody>
<tr>
<td><strong>A.</strong></td>
<td><strong>INTRODUCTION</strong></td>
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<td>1.</td>
<td>Clinical observation</td>
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<td>Vital Signs</td>
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<td>Disease</td>
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<td>Introduction</td>
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<td>Causes</td>
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| **B.** | **General Knowledge About the following** |
| 1. | Physical agents |
| 2. | Drugs |
| 3. | Cigarette smoking |
| 4. | Chemical agents |
| 5. | Effect of temperature |
| 6. | Effect of electricity |
| 7. | Effect of radiation |
C. **ACUTE INFECTIOUS DISEASE**

General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Measles
2. Rubella
3. Whooping cough
4. Diphtheria
5. Rabies
6. Tetanus
7. Chicken pox
8. Mumps
9. Typhoid fever
10. Bacillary dysentery
11. Food poisoning

D. **TROPICAL DISEASE**

General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Malaria
2. Amoebiasis
3. Cholera
4. Sexually transmitted Disease
5. AIDS
6. Gonorrhea

E. **DISEASES OF THE CIRCULATORY SYSTEM DISEASE**

General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Coronary artery disease
2. Hypertension
3. Rheumatic Heart Failure
4. Chronic Heart Failure
F. DISEASES OF RESPIRATORY SYSTEM DISEASES
General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Disease of Upper Respiratory tract
2. Acute Coryza
3. Acute Tonsillitis
4. Laryngitis

G. DISEASES OF LOWER RESPIRATORY TRACT.
General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Acute Bronchitis
2. Pneumonia
3. Pulmonary tuberculosis
4. COPD
5. Asthma

H. DISEASES OF ALIMENTARY TRACT
General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Acute gastro Enteritis
2. Intestinal Obstruction
3. Intestinal Worms
4. Peptic Ulcer
5. Gastritis

I. DISEASES OF THE LIVER
General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Viral Hepatitis
2. Cirrhosis
3. Liver Failure

J. DISEASES OF NERVOUS SYSTEM
General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Meningitis
2. Poliomyelitis
3. Stokes
4. Sub Arachnoids Hemorrhage
5. Head Ache
6. Convulsions
7. Coma
8. Sciatica
9. Movement Disorders

K. DISEASES OF BLOOD
General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Anemia Due to Blood Loss
2. Anemia Due to Decrease Blood formation
3. Hemolytic Anemia
4. Leukemia.

L. DISEASES OF URINARY SYSTEM
General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. UTI

M. ENDOCRINE DISORDERS
General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Diabetes Mellitus

N. DISEASE OF CONNECTIVE TISSUE
General features, causes/ pathogenesis/ clinical features, investigations, General principles of treatment.

1. Rheumatoid
2. Osteo Arthritis
3. SLE

O. **WARD DUTIES**

1. Record Keeping of the patients
2. Bed side care of the patients

**METHODS OF TEACHING**

1) Lectures
2) Demonstrations
3) Practical work
4) Duties in the unit

P. **ATTENDANCE:** 90% attendance

Q. **GRADING AND EVALUATION:** There shall be 3 monthly exams out of which 1 best should be counted. Each test shall carry 20 marks. A comprehensive exam in the end of semester. Pass %age 60%.

R. **READING LIST:**

1. Clinical methods
2. Internal medicine
3. Toohey’s medicine Stephen R. Bloom
5. Principles and practice of emergency medicine Schwartz
6. Cecil Text Book of Medicine
7. Harrison text book of medicine
8. Nursing skills and evaluation
9. Review of practical nursing
10. Medical and health encyclopedia
11. French index of differential diagnosis

R. **PAPER FOR COMPREHENSIVE EXAM**

2. Paper – B, Blood, Liver, NS, CT, DM, GUS

Pattern: 30% MCQ

40% Essay

30% Viva Total = 100 marks Each Paper
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<th>S.NO</th>
<th>TOPIC</th>
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<th>RESPIRATORY SYSTEM</th>
<th>Management &amp; Prevention of</th>
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<td>GASTRO INTESTINAL TRACT</td>
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<td>Hemorrhoids (David sons book)</td>
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<td>Rheumatoid arthritis</td>
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</table>
4 Food poisoning
5 Malaria
6 Rheumatic fever
7 Hepatitis
8 Measles
9 Mumps
10 Chickenpox
11 Polio
12 Typhoid fever

G Genito: URINARY TRACT DISEASES
Management & Prevention of
1 Acute Gulmerolo Nephritis
2 Renal Colic
3 UTI
4 Acute Urinary Retention
5 Nephritic syndrome
6 Acute Renal failure

H ENDOCRINOLOGY
Management & Prevention of
1 Diabetes Mellitus
2 Hypo thyroidism (thyrotoxicosis)
3 Goiter

I BLOOD DISEASE
1 Aneamias
2 Leucaimias

J POISONING
Management & Prevention of
1 Kerosin Oil
2 Opium
3 Insect Bite
4 DDT Poisoning

K MISCELLANEOUS
Management & Prevention of
1 Burns
2 Shock
3 Fractures
4 Diarrhea And Dhydration
5 PEM (Mrasmus and Kwashiorkor)PHC
6 Tonsillitis
Students should be able to know the signs/symptoms of the important diseases of the community at various levels and apply clinical side. In this regard they will be on rotation in the following wards for 15 days each.

1. Eye
2. ENT
3. Pediatrics
4. Surgery
5. Skin

**EYE (Opthalmology by naveed and Server)**

1. Inflammation of Conjunctivitis
2. Trachoma
3. Pterygium
4. Keratitis
5. Uveitis
6. Extra ocular Foreign Bodies
7. Injuries to Eye
8. Inflammation of Eye Lid
9. Dacriocystitis
10. Cataract

**ENT (ENT 4th Editoin PL Dingra)**

1. Boil in Ear
2. Ostitis Externa
3. Foreign Bodies in Ear
4. Acute Supporative ostitis Media
5. Boil in the nose
6 Epistaxis
7 DNS
8 Fracture Nose
9 Rhinitis
10 Sinusitis
11 Diphtheria
12 Tonsillitis
13 Foreign Bodies in food Passage
14 Laryngitis
15 Tracheostomy

**Surgery**
1 Acute Intestinal Obstruction
2 Acute Appendicitis
3 Acute Cholecystitis
4 Pneumothorax
5 Injuries to chest (first Aid)
6 Injuries to Abdomin (first Aid)
7 Renal Coliee
8 Acute Urinary Obstruction
9 Haematuria
10 Catheterization

**Paediatrics (Bases of paediatrics 6th Edition by Dr Parvez Akbar)**

1 Birth Asphyxia
2 Convulsion of New Born
3 jaundice in New Born
4 Acute Respiratory Problem
   a. Acute Pneumonia
   b. Acute Asthma
5  Diarrhea (GE)  
6  P.U.O  
7  Meningitis

**SKIN (ABC of Dermatology)**

Common diseases in the community, their identification & management. Beside the students are to visit the following center in order to have practical knowledge about


1  Eczema  
2  Psoriasis  
3  Scabies  
4  Acne  
5  Urticaria

**EPI**

1  Immunity  
2  Types of immunity
   a.  Natural  
   b.  Acquired (Active And Passive)  
   c.  Herd Immunity
3  Vaccines

Cold chain and its maintenance schedules for EPI vaccinations methods of delivering vaccines

Adverse effects of vaccines

Practical participation with the EPI person

*Cold chain and its maintenance  
*Schedules for EPI Vaccination  
*Methods of delivering Vaccines  
*Adverse effect of Vaccine  
*Practical participation with the EPI Person.

**MALARIA CONTROL PROGRAM**  
(15 days)
1) Blood slides Preparation
2) Identification of various malaria / Parasites
3) Schedules of drugs
4) Practical training for the above

T.B CONTROL (15 days)
1) Sputum Slide preparation
2) Identification
3) Schedules of Drugs
4) Practical training