

Health Technology

Paper A Internal Medicine-I

Paper B General Medicine

Plan for 2nd Semester for Health Technology

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

CURRICULUM FOR 2nd SEMESTER HEALTH TECHNOLOGY

S.NO	TOPIC
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A.	<u>INTRODUCTION</u>
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1. Clinical observation
2. Vital Signs
3. Pulse
4. Respiration
5. Temperature
6. Blood pressure
7. Disease
8. Introduction
9. Causes

B.	<u>General Knowledge About the following</u>
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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. DISEASE 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. DISEASE 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
4. Churchill Livingstone.
5. Principles and practice of emergency medicine Schwartz
6. Cocil 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

1. Paper – A, Vital Signs / physical agents / infections / CVS / RS / GIT.

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

Pattern: 30% MCQ

40% Essay

30% Viva Total = 100 marks Each Paper

CURRICULUM FOR 3rd SEMESTER HEALTH TECHNOLOGY

Paper A internal Medicine –II

Paper B Community Medicine

<u>S.NO</u>	<u>TOPIC</u>
A	<u>RESPIRATORY SYSTEM</u>
	<u>Management & Prevention of</u>
1	T.B
2	Pleural Effusion
3	Asthma
4	Pneumonia
5	Emphysema
6	COPD
B	<u>CARDIO VASCULA SYSTEM</u>
1.	Hypertension
2.	Ischemic Heart Disease
3.	Heart Failure
4.	Rheumatic Fever With Carditis
C	<u>NERVOUS SYSTEM</u>
1	CVA
2	Meningitis
3	Epilepsy
4	Parkinsonism
5	Head injury
D	<u>GASTRO INTESTINAL TRACT</u>
1	Gastritis
2	Peptic ulcer
3	Appendicitis
4	Hemorrhoids (David sons book)
5	Cholecystitis
6	Hepatitis
7	Liver cirrhosis
E	<u>BONE AND GOINTS</u>
1	Sciatica
2	Rbeumatoid arthritis
3	Septie arthritis
4	Osteomyelitis
F	<u>INFECTION DISEASE</u>
	<u>Management & Prevention of</u>
1	Rabies
2	Tetanus

- 3 Food poisoning
- 4 Malaria
- 5 Rheumatic fever
- 6 Hepatitis
- 7 Measles
- 8 Mumps
- 9 Chickenpox
- 10 Polio
- 11 Typhoid fever
- 12 Dysentery

G Genito:- URINARY TRACT DISEASES
Management & Prevention of

- 1 Acute Glomerulonephritis
- 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 Hypothyroidism (hypothyroidism)
- 3 Goiter

I BLOOD DISEASE

- 1 Anemias
- 2 Leucemias

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 Dehydration
- 5 PEM (Marasmus and Kwashiorkor)PHC
- 6 Tonsillitis

- 7 Koma Its Causes And Management
- 8 CPR (Cardio Pulmonary Resuscitation)

PROPOSED CURRICULUM FOR 4th SEMESTER HEALTH TECHNOLOGY

Paper A Internal Medicine –III

Paper B Preventive Medicine.

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 naved 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

2 ENT (ENT 4th Editoin PL Dingra)

- 1 Boil in Ear
- 2 Otitis 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 Abdomen (first Aid)
- 7 Renal Colic
- 8 Acute Urinary Obstruction
- 9 Haematuria
- 10 Catheterization

PAEDIATRICS (Baies 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