

OFFICE OF THE MEDICINE DEPARTMENT PT.J.L.N.G.M.C.& H  
CHAMBA (H.P)

MED/ DEP/DN - **378**

DATE- **26-10-2020**

To

The Principal,  
Pt.J.L.N.G.M.C.& Hospital,  
Chamba

Sub: Curriculum & syllabus of Medicine Department as per MCI.

Sir,

I am sending to you syllabus & Curriculum Deptt of Medicine of all semester as per MCI as an attachment via Email

Enclosures: Ten pages

Prof. & Head  
Department of Medicine  
PT.J.L.G.M.C.& H.CHAMBA (H.P.)

Copy to: Dr Parveen (AP Phamocology)

Prof. & Head  
Department of Medicine  
PT.J.L.G.M.C.& H.CHAMBA (H.P.)

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To

The Principal,  
Pt.J.L.N.G.M.C.& Hospital,  
Chamba

Sub: Teaching Schedule for Online Classes of Med.Deptt. For the month of Nov:  
**Batch 2017-2018 & 2018-2019 & 2019 -2020**

Days	Timing	Batch	Name of Doctor	Topic
Monday	11:00am to 12:45Pm (Theory /Clinical )	2017-2018(VII sem)	DrPankajGupta(Prof & Head)	Neurology
Tuesday	3:00pm to 4:00pm	2017-2018(VII sem)	DrPankajGupta(Prof & Head)	Gastrology
Wednesday	10:00am to 10:45am	2017-2018(VII sem)	DrPankajGupta(Prof & Head)	Neurology
Thursday	10:00am to 10:45am	2017-2018(VII sem)	DrUmmerJalaie(AP)	Nephrology
Friday	12:00 am to12:45Pm	2018-2019 (V sem)	Dr pankaj Gupta( Prof & head)	Cardiology

Venue: Online classes has to be taken in LT-1



PROF. & HEAD  
DEPARTMENT OF MEDICINE  
PT.J.L.N.G.M.C. & H.CHAMBA

Copy To:

1. Principal & Dean of Pt.J.L.N.G.M.C. & H Chamba for Information
2. AP & SR
3. Notice board
4. CR Sem 7<sup>th</sup> & 5<sup>th</sup>
5. DR Praveen (AP Pharmacology)

PROF. & HEAD  
DEPARTMENT OF MEDICINE  
PT.J.L.N.G.M.C. & H.CHAMBA (H.P)

**THEORY LECTURES EXCLUDING  
SEMINARS, TUTORIALS,  
DEMONSTRATIONS**

**4<sup>TH</sup> SEMESTER DURATION (26 weeks)**

Lectures-28 lectures (Apporx 1 Theory lecture/Week)

**INFECTIONS**

- Approach to infectious disease Epidemiology, Clinical features, Laboratory Diagnosis, Rational use of Antibiotics, Prevention-2 lectures
- Amoebiasis, Giardiasis-1 lecture
- Malaria -2 lecture
- Leishmaniasis -1 lecture
- Toxoplasmosis, Trypanosomiasis-1
- Enteric fever-1 lecture
- Tetanus, Cholera – 1 lecture
- Shigellosis and infectious diarrhea – 1 lecture
- Brucellosis, Plague-1 lecture
- Leptospirosis -1 lecture
- Helicobacter pylori – 1 lecture
- Pseudomonas and other Gram negative infections – 1 lecture
- Anaerobic infections – 1 lecture
- Tuberculosis – 2 lecture
- Leprosy – 2 lecture
- Herpes Simplex and Herpes Zoster – 1 lecture
- Dengue fever - 1 lecture
- Rabies – 1 lecture
- Viral Encephalitis-1 lecture
- Infectious Mononucleosis – 1 lecture
- Infections in Immunocompromised host, Fungal Infections – 1 lecture
- Worm Infestations – 1 lecture
- HIV – 2 lectures

**THEORY LECTURES EXCLUDING  
SEMINARS, TUTORIALS,  
DEMONSTRATIONS**

**5<sup>TH</sup> SEMESTER DURATION (26 weeks)**

Lectures-25 lectures (Apporx 1 Theory lecture/Week)

**NUTRITION AND NUTRITIONAL  
DISORDERS, HAEMATOLOGICAL  
DISORDERS**

- Fever of Unknown origin – 1 lecture
- Hospital Acquired infections – 1 lecture
- Septicaemia and septic Shock - 1 lecture
- CLINICAL APPROACH OT PATIENTS – 2 LECTURES
  - Role of Physician to informed consent
  - Medical Ethics and Communications Skills
  - Approach to grave prognosis and patient Doctors relationship
- Dietary requirements and Clinical assessment of Nutrition – 1 lecture
- Vitamin B Deficiency – 2 lecture
- Minerals and Trace elements – 1 lecture
- Malnutrition and obesity – 1 lecture
- Fat soluble Vitamin deficiency – 1 lecture

**DEFINITION, PREVELANCE, ETIOLOGICAL  
FACTOR, PATHOPHYSIOLOGY,  
PATHOLOGY, RECOGNITION,  
INVESTIGATIONS AND PRINCIPLES OF  
TREATMENT OF**

- Iron Deficiency Anaemia-1 lecture
- Megaloblastic Anaemia – 1 lecture
- Haemolytic Anaemia / Thalassemia

Sickle cell and acquired haemolytic anaemia)-2 lectures

- Common bleeding disorders (Thrombocytopenia, haemophilia) – 1 lecture

- Aplastic Anaemia, Agranulocytosis-1 lecture

- Recognition, diagnosis, Differential Diagnosis and Broad principles of management of

ALL, AML- 1 Lecture

CML, CLL – 1 Lecture

Multiple Myeloma-1 lecture

- Recognition, Diagnosis, Differential diagnosis and broad principles of management,

Hodgkin's Lymphoma- 1 lecture

Non Hodgkin's Lymphoma-1 lecture

- SPECIFIC ENVIRONMENTAL HAZARDS (3 LECTURES)

Heatstroke- 1 lecture

Hypothermia, frost bite -1 lecture

High Altitude Pulmonary Oedema -1 lecture

#### 6<sup>th</sup> SEMESTER

36 LECTURES (2 LECTURE/WEEK) THEORY  
LECTURES ARE DURING MORNING SESSION

##### CARDIOVASCULAR-22 LECTURES

- Acute and chronic cardiac failure-1 lecture
- Rheumatic fever and rheumatic heart disease – 1 lecture
- Mitral stenosis and mitral regurgitation– 2 lecture
- Aortic stenosis – 1 lecture

#### 6<sup>th</sup> SEMESTER

36 SEMINARS (2 SEMINARS/WEEK)  
SEMINARS ARE DURING EVENING SESSION

##### SEMINAR ON COMMON SYMPTOMS (26)

- Pain, pathophysiology, clinical types, assessment and management
- Fever- clinical assessment and management
- Cough- Approach, etiology and management

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| <ul style="list-style-type: none"> <li>• Aortic regurgitation - 1 lecture</li> <li>• Infective endocarditis – 1 lecture</li> <li>• Coronary artery disease – 2 lecture</li> <li>• Congenital heart disease in adults</li> <br/> <li>• ASD, VSD -1 lecture</li> <li>• PDA, TOF and Coarctation of aorta – 1 lecture</li> <li>• Cor pulmonale – 1 lecture</li> <li>• Hypertension and hypertensive heart disease-1 lecture</li> <li>• Atrial Fibrillation, PSVT, VT – 1 lecture</li> <li>• Bradyarrhythmias – 1 lecture</li> <li>• Deep vein thrombosis 1 lecture</li> <li>• Atherosclerosis and peripheral vascular disease -1 lecture</li> <li>• Pericarditis, Pericardial effusion and cardiac tamponade -2 lecture</li> <li>• Myocarditis – 1 lecture</li> <li>• Cardiomyopathy-2 Lectures</li> </ul> | <ul style="list-style-type: none"> <li>• CHEST PAIN – APPROACH</li> <li>• Dyspnoea -Approach, etiology and management</li> <li>• Anasarca</li> <li>• Ascites – Approach, etiology, Investigations and Management</li> <li>• PALLOR – Approach, etiology , investigation and management</li> <li>• Jaundice</li> <li>• Bleeding</li> <li>• Anorexia, Nausea, Vomiting</li> <li>• Constipation and diarrhea</li> <li>• Hematemesis, Malena, Hematochezia</li> <li>• Dysuria and pyuria</li> <li>• Anuria and oliguria</li> <li>• Polyuria, Nocturia and enuresis</li> <li>• Body pains and joint pains</li> <li>• Headache</li> <li>• Seizures</li> <li>• Fainting, Syncope and dizziness</li> <li>• Vertigo</li> <li>• Disturbance of consciousness and coma</li> <li>• Weight loss and weight gain</li> </ul> |
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### 7<sup>th</sup> SEMESTER

#### THEORY LECTURES (31 LECTURES)

##### THEORY IN MORNING SESSION

##### NEPHROLOGY (10 Lecture)

- Acute renal failure
- Chronic renal failure
- Urinary tract infections and pyelonephritis
- Glomerulonephritis and nephritic syndrome
- Nephrotic syndrome

##### SEMINARS(30 SEMINARS)

##### SEMINARS IN EVENING SESSION

##### Nephrology (12)

- Renal anatomy and renal physiology
- Common renal function tests
- Urine examination
- Imaging methods
- Dysuria, Pyuria
- Disorders of urine volume
- Haematuria

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| <ul style="list-style-type: none"> <li>• Tubulointerstitial diseases</li> <li>• Renal involvement in systemic diseases</li> <li>• Drugs and kidney</li> <li>• Renal vascular disease</li> <li>• Renal replacement therapy</li> <li>• Urinary tract calculi and nephrocalcinosis</li> </ul> | <ul style="list-style-type: none"> <li>• Proteinuria</li> <li>• Oedema</li> <li>• Incontinence of urine</li> <li>• Obstruction of urinary tract</li> <li>• Bladder Dysfunction in various diseases</li> <li>• Congenital anomalies of kidney and urinary bladder</li> </ul> |
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## GASTRO ENTEROLOGY

### ORAL, ESOPHAGEAL, STOMACH DISEASES

(6 lectures)

- Oral ulcers, candidiasis, parotitis - 1 lecture
- GERD and other motility disorders - 1 lecture
- Oesophagitis, Carcinoma oesophagus - 1 lecture
- Gastritis, peptic ulcer diseases - 2 lectures
- Tumours of stomach - 1 lecture

### DISEASES OF SMALL INTESTINE (6 lectures)

- Acute gastroenteritis and food poisoning - 1 lecture
- Acute, Subacute and Chronic intestinal obstruction - 1 lecture
- Intestinal tuberculosis - 1 lecture
- Malabsorption syndrome - 1 lecture
- Tumours of small intestine

### POISONINGS – 8 lectures

## Gastroenterology (16)

- Clinical examination of abdomen
- Abdominal pain- acute
- Chronic abdominal pain
- Dysphagia
- Dyspepsia
- Vomiting
- Constipation
- Diarrhoea
- Abdominal lump – Approach
- Weight loss
- Upper GI Bleed
- Lower GI Bleed
- Stool examination
- Barium imaging studies
- Endoscopy
- Tests of malabsorption and pancreatic function tests

## HEPATOLOGY (3)

- Anatomy, physiology
- Liver Function tests
- Imaging of hepatobiliary disease
- Acute fulminant hepatic failure
- Portal hypertension and hepatic

- Narcotics – 1 lecture
- Aluminium phosphide – 1 lecture
- Sedatives / Hypnotics – 1 lecture
- Organophosphorus and pesticide poisoning – 1 lecture
- Insect, Scorpion, Hornet bite – 1 lecture
- Snake bite and envenomation – 1 lecture
- Corrosives substances and metal poisoning – 1 lecture
- Drowning, Lightning and electric shock – 1 lecture

### FLUID, ELECTROLYTE AND ACID BASE BALANCE – 6 lectures

- Hyponatremia
- Hypokalemia and Hyperkalemia
- Hypocalcemia
- Hypercalcemia
- Acidosis and alkalosis
- Dehydration and Hypovolemia

encephalopathy

### SEMINARS IN INFECTIOUS DISEASES- 6

- Fever and rash
- Fever with lymphadenopathy
- Fever with splenomegaly
- Intra-abdominal infections and abscesses
- Infection of skin, muscle and soft tissues
- Sexually transmitted diseases - overview and clinical approach

### SEMINARS IN CARDIOLOGY – 5

- Functional anatomy, physiology-1
- Investigation in cardiology – 2
- Cardiogenic shock – 1
- Cardiac arrest and sudden cardiac death--1

## 8<sup>TH</sup> SEMESTER

### 8<sup>TH</sup> Semester (43 lectures)

#### THEORY

- Auto immune hepatitis -- 1 lecture
- Fatty liver and NASH – 1 lecture
- Infiltrative diseases of liver – 1 lecture
- Cholelithiasis, Acute Cholecystitis, Chronic cholecystitis-1 lecture

#### PANCREAS (2 Lectures)

- Acute pancreatitis
- Chronic pancreatitis

### IMMUNE SYSTEM, CONNECTIVE TISSUES AND JOINTS (13 Lectures)

- HIV, AIDS and related topics – 3 lectures

### 8<sup>TH</sup> SEMESTER

#### SEMINARS (45)

- Jaundice
- Asymptomatic liver function abnormality

#### HAEMATOLOGY (6)

- Blood group and transfusions
- Concepts of transfusion and component therapy
- Indications of transfusion therapy, precautions to be undertaken
- Hazards of transfusion and safe handling of blood and blood products

#### DISORDERS OF COAGULATION

- SLE – 1 lecture
- Seronegative Spodylarthropathy – 1 lecture
- Rheumatoid arthritis – 1 lecture
- Progressive systemic sclerosis – 1 lecture
- Sarcoidosis – 1 lecture
- Amyloidosis – 1 lecture
- Osteoarthritis -1 lecture
- Gouty arthritis – 1 lecture
- Infectious arthritis – 1 lecture
- Musculoskeletal manifestations of disease in other systems – 1 lecture

### ENDOCRINOLOGY (15 lectures)

- Diabetes Mellitus – Etiopathogenesis, Diagnosis, Management – 2 lectures
- Acute Complications of diabetes mellitus – 2 lectures
- Chronic Complications of DM- 1 Lecture
- Special problems in management of diabetes mellitus – 1 lecture
- Hypothyroidism
  - Manifestations, Diagnosis & Treatment-1lecture
- Hyperthyroidism – Manifestations, Diagnosis and treatment – 1 lecture
- Cushing's syndrome – Symptoms, Diagnosis and management- 1 lecture
- Pituitary disorders- Acromegaly and sheehan's syndrome – 1 lecture
- Calcium, phosphorus metabolism and metabolic bone disease – 1 lecture
- Hypopituitarism and Hyperpituitarism – 1 lecture

### AND VENOUS THROMBOSIS( 2 SEMINARS)

#### Connective tissue disorders (12)

- Recognition of major manifestations of musculoskeletal diseases
- Joint pain, bony pain – Approach
- Muscle pain and weakness – Approach
- Regional periarthritis pain
- Back pain
- Neck pain
- Symmetrical Inflammatory joint pains – Approach
- Polyarthritis – approach
- Monoarthritis – approach
- Sero negative spondyloarthropathy
- Investigations, radio imaging in connective tissue disorders

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- Hypoparathyroidism and Hyperparathyroidism – 2 lecture
- Addison's Disease – 1 lecture

## DISEASES OF LARGE INTESTINE AND PERITONEUM (5 Lectures)

### 1 Lecture Each

- Ulcerative colitis and crohn's disease
- Irritable bowel syndrome
- Anorectal disorders
- Diseases of peritoneal cavity-  
Acute and chronic peritonitis
- Ascites

## HEPATOBILIARY DISEASES (6 Lectures)

- Viral Hepatitis – 1 Lecture
- Liver Abscess – Amoebic and pyogenic – 1 lecture
- Chronic hepatitis and Cirrhosis – 2 lectures
- Alcoholic liver disease – 1 lecture
- Tumours of liver -1 lecture

## 9<sup>th</sup> SEMESTER

### 9<sup>th</sup> Semester Theory (24)

#### Neurological Diseases (20 Lectures)

- Headache – Migraine, Cluster headache – 2 lecture
- Seizures and epilepsy – 2 lecture

### 9<sup>th</sup> Semester Seminar (53)

#### 7 SEMINARS

- Major manifestations of diseases in elderly
- Special issues of care in elderly
- Practice of universal precautions

8 9

- Cerebro vascular disease – 2 lecture
- Dementia and Alzheimer's disease – 1 lecture
- Acute and chronic meningitis – 1 lecture
- Diseases of spinal cord – 1 lecture
- Compressive myelopathy – 1 lecture
- Noncompressive myelopathy – 1 lecture
- Multiple sclerosis and other demyelinating diseases – 1 lecture
- Parkinson's Disease & other extrapyramidal syndromes – 1 lecture
- Cerebellar disorders – 1 lecture
- Motor neuron disease – 1 lecture
- Peripheral neuropathy – 1 lecture
- Gullian barre syndrome – 1 lecture
- Myasthenia gravis – 1 lecture
- Diseases of muscle
  - Inflammatory – 1 lecture
  - Degenerative – 1 lecture

- Bio-Medical waste – types, potential risks and safe management
- PEP prophylaxis
- Hand Washing
- Medical disorder of pregnancy
- Drug therapy in impaired renal, hepatic functions
- Lipid and lipoprotein disorders

### NEUROLOGY (15)

- Clinical examination of nervous system
- EEG
- Basics of brain and spinal cord imaging
- Raised intracranial tension
- Sleep disorders
- Abnormal involuntary movements
- Neurological manifestations of systemic diseases
- Speech, swallowing and brainstem disturbances
- Enternal nutrition
- Parenteral nutrition
- Alcoholism
- Misuse of drugs other than alcohol
- Diseases of cranial nerves
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### ONCOLOGY

- Cell biology of cancer
- Prevention and early detection of cancer
- Invasions and metastasis
- Principles of cancer therapy

- Depression
- Anxiety and phobic disorders
- Depression

### ENDOCRINOLOGY (2)

- Investigations in a workup of a case of diabetes mellitus
- Investigations in a workup of a case of thyroid disorder

### RESPIRATORY DISEASES (9)

#### Lectures)

- Bronchial Asthma – 2 lectures
- Pneumonia – 2 lectures
- COPD, Bronchiectasis – 2 lectures
- Diseases of Pleura (effusion, Empyema, Pneumothorax) – 1 lecture
- Interstitial lung disease – 1 lecture
- Tumour's of lung – 1 lecture

### CRITICAL CARE MEDICINE (8)

- Physiology of critical ill patients
- Circulatory shock
- Respiratory failure
- Sepsis and septic shock
- General principles of critical care management
- Disseminated intravascular coagulation
- Coma and recognition of brain death
- Cardiac arrest, Sudden Cardiac death, cardio pulmonary resuscitation

### RESPIRATORY DISEASE (10)

- Clinical examination of respiratory system
- Sputum examination
- Pulmonary function tests
- Radiological imaging in Respiratory diseases
- Bronchoscopy

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- Pulmonary tuberculosis - various presentations
- Acute respiratory distress syndrome
- Haemoptysis- causes, management
- Diseases of mediastinum, Diaphragm and chest wall
- Sleep apnea syndrome

10

### SEMINAR ON ECG-7

### SEMINAR ON X-RAY STUDIES-5

### MEDICAL EMERGENCIES-8

### PANEL DISCUSSION OF COMMON DISEASES SEEN IN OPD/INDOOR (11)

- Headache
- Epilepsy
- Cerebrovascular Accident
- Asthma
- COPD
- Coronary artery disease
- Hypertension
- Diabetes Mellitus
- Joint pains
- Hypothyroidism
- Hyperthyroidism

Alcoholism and alcoholic liver disease