

**CENTRAL COUNCIL OF INDIAN MEDICINE
NEW DELHI**

**SYLLABUS OF
MOALAJAT**

KAMIL-E-TIB-O- JARAHAT (BUMS)



**SYLLABUS OF
MOALAJAT**

INDEX

S. No.	Topic	Page No.
PAPER I		
Amraze-Nizame A'asab, Ghudud Laqanati (Diseases of Nervous and Endocrine System), Hummiyat		
1.	Amraze-Nizam-e-A'asab	4,5
2.	Nafsiyati Amraz	5,6
3.	Amraze Ghudade Laqanati (Diseases of Endocrine)	6
4.	Metabolic Disorders	6,7
5.	Amraze Tavarus	7
6.	Hummiyat	7,8
7.	Procedures	8
PAPER II		
Amraz-e-Tanaffus, Qalb, Dauran E-Khoon, Amraz e Dam wa Lymphavia		
1.	Amraz-e-Tanaffus (Respiratory Diseases)	9,10
2.	Basic knowledge of following investigation and procedures:	10
3.	Amraaz- e Qalb wa Dauran-e Khoon (Cardio-Vascular Diseases)	10,11
4.	Amraz e-Urooqe Damviya (Diseases Of Blood Vessels)	11
5.	Amraz-e Dam wa Lymphaviyah (Diseases of Haemopoetic And Lymphatic System)	11

6.	Basic Knowledge of Following Investigation and Procedures	11,12
PAPER III		
Amraze Nizame Hazm, Kabid, Baul-wa-Tanasul, Amraze Mutaddiyeh, Amraz-e-mafasil wa izaam and Matab wa Nuskha Naveesi		
1.	Amraaz e-Nizame Hazm(Diseases Of Digestive System)	13,14,15
2.	Amraze-e Nizame Baul (Disease Of Urinary System)	15
3.	Amraze-e Masana (Bladder Disorders)	15,16
4.	Amraze-e Tanasul (Genital Disorders)	16
5.	Amraze-Mutaddi wabai	16,17
6.	Amraz e-Mafasil Wa Izaam	17
7.	Matab wa Nuskha Naveesi	17,18
8.	Reference books for Matab wa Nuskha Naveesi	18
9.	Basic knowledge of following investigation and procedures	18,19
10.	Juz-e-Amali (Practicals)	19

MOALAJAT
(General Medicine)

Theory- Three Papers-300 Marks–(100 marks each)
Teaching Hours-150 hours

PAPER I
Marks

100

Amraze-Nizame A'asab, Ghudud Laqanati (Diseases of Nervous and Endocrine System), Hummiyat

- Applied Anatomy and Physiology, Signs & Symptoms, Diagnostic Parameters and important investigations of the System.
- Causes, pathogenesis, clinical features, investigations, diagnosis, differential diagnosis, principles of treatment, treatment, mamoolat-e-matab, complications and important procedures of following disorders:

1.Amraze-Nizame A'asab

- Suda`a aur uske aqsam
- Sarsam aur uske aqsam(Franeetas, Lasarghas, Utaash, Sarsam)
- Warme aghshiya Dimagh (Meningitis)
- Cerebro-Spinal Fever)
- Sal`at-e-Dimaghi(Tumours of the Brain)
- KhurajeDimaghi(Brain Abscess)
- Nazaf-ud-Dam Dimaghi(Cerebral haemorrhage)
- Taksir -ud-Dam Dimaghi(Cerebral thrombosis)
- Tasad-ud-Dimaghi(Cerebral embolism)
- Falij aur uske aqsam(Paralysis and its types)
- Laqwa(Facial Paralysis)
- Sakta
- Istarkha
- Talayyeen-e-Dimagh (Softening of the Brain)
- Huzal Zohri(TabesDorsalis)
- Dw`ar(Vertigo)

- Sub`at (Coma)
- Nisyan(Amnesia)
- Sara`a(Epilepsy)
- Tashannuj
- Da`ulraqs(Chorea)
- Ra`sha(Tremors)
- Marze Parkinson (Parkinson`s Disease)
- MarzeAlzheimer(Alzheimer`s disease)
- WarmeAa`sab(Neuritis)
- Waja`ul Aa`sab(Neuralgia)
- ShaqaQaloos Dimaghi
- Humra Dimaghiya
- Ma`ashra
- Sidr
- Zakawate His dimagh
- Tasalub-e-Nukha
- Zagoot
- Imtala-e-Dimagh
- Warm-e Nukha

2.Nafsiyati Amraz(Psychiatric disease)

- Ta`aruf wa darjabandi (Introduction and classification)
- Iztarab-e-Nafsani(Anxiety)
- Izmehlal(Depression)
- Ikhtlalshakshiyati(Personality Disorders)
- Mania(Mania)
- Male`kholiya aur uskeaqsam(Malenkholia and its types),
- Schizophrenia
- Ikhtanaq-ur-Reham(Hysteria)
- Junoon, Kaboos(Nightmare)
- Sahar (Insomnia)
- Ishq(Erotomania)
- Ra`onat wa Humaq

- Ikhtilaf-e Aql
- Mental Retardation
- Dawaon ki ya Sharab ke nashe ki adat (Drug addiction and Alcoholism),

3. Amraze Ghudade Laqanati (Diseases of Endocrine)

- Ghuddae laqanati aur unki ifrazat ka tasawwur atibba ki nazar mein (umoomi jayaeza)
- Ghuddae Nukhamia ke ifrazat ki qillat wa ifrat se hone wale Amraz e.g., Kibrul Izm (Acromegaly)
- Qazamah (Dwarfism)
- Ziabetus sada (Diabetes Insipidus)
- Salate nukhamiya
- Ghuddae Darqiya ke ifrazat ki qillat wa ifrat se hone wale Amraz e.g., Farte Darqiya (Hyperthyroidism)
- Tasammume Darqiya (Thyrotoxicosis)
- Graves Disease
- Qillat ifraz Darqiya (Hypothyroidism)
- Ghoter (Goiter) Cretinism
- Salate Darqiya,
- Ghuddae Janibud darqiya ke ifrazat ki qillat wa ifrat se hone wale Amraz e.g., Farte duraiqiya (Hyper parathyroidism)
- Qusoor-e Duraiqiya (Hypo parathyroidism).
- Amraze Ghuddae Fauqul Kulya like Mutalazema Koshing (Cushings syndrome)
- Aldosteroma
- Warmul qawatim (Pheochromocytoma), Addison's disease, aldosteromia (Hypo aldosteronism).

4. Metabolic Disorders

- Diabetes mellitus
- Obesity
- Osteoporosis
- Nuqs-e taghziya (Malnutrition)

- Nuqs e Injizab (Malabsorption)
- water and electrolyte imbalance,

5. Amraze Tavarus

- Sibghi Jasdi Amraz (Autosomal disorder)
- Sinfi vabasta Amraz (Sex linked diseases)
- Disease of Chromosomal abnormalities (Structural and Numerical)
- Jinsi muhtasar (sexual paucity)
- Aajil buloogh (Delayed or Incomplete puberty)
- Mutlazima Klinefelter (Klinefelter syndrome)
- Down syndrome
- Turner syndrome
- Tasaddiur Rajal (Gynaecomastia)
- Balooqhe muhtasar (Isosexual precocious puberty)

6. Hummiyat

- Hummiyat ka umoomibayan, Jismani Hararat, Tauleed wa Ikhrajaur Tawazune Hararat se ijmalibehas, Tareefe Humma, Kulli Taqseem wa ajnaskatazkira, Darjate Hararat, Ista'dade Bukhar, Auqate Bukhar, Muddate Bukhar par Alamaat se Istedlal, Bukhar Ke Awaraze Lazima, Usoole Tashkhees, Adame Tashkhees Ki Soorat me Humma ka Usoole Ilaj, Ahkam e-ghiza
- **Hummiyat-e-Youm**
Hummiyate Youm par ek Umoomibayan, Ta'areef, Aqsam, Asbab wa Alamaat A`ama, Umoomi Ilaj wa tadabeer
- **Humma-e Khiltiya Ufoonia**
umoomibayan, Mustauqad e ufoonat, aqsam, Umoomi Asbaab wa Alamaat, Aam Usoole Ilaj, Humma e Damvi, Matbaqa Sonukhasiskia qsam, Ufonat wa Sukhonat, Humma e Safravi, Ghibbe Daira, Ghibb Lazima,

HummaeMuhariqqa, HummaeBalghami, HummaeLisqa (Lazima-wa-Daima), Muwaziba (Naiba), HummaeSaudavi, Rubae Daira, Rubae Lazima, Hummae Murakkab, Shatrul Ghib

- **Hummiyat haddah**, Ta'reef, Umoomi ilaj, Awariz-wa-Tadaruk, Ahkam-e-Ghiza
- **Humma-e-Diq ka mukammal bayan**
- **Humma-e-Auram**
- **Bohran:** Ta'aref, UmoomiAlamaat, Alamat-e-Bohran-e-Jaiyad and Bohran-e-Raddi, Bohran ki tadabeer

7.Procedures:-

1. Complete blood picture with ESR
2. Widal test
3. Malarial parasite test
4. Peripheral smear tests for MP
5. Immunoglobulins
6. Radiological investigations
7. RA, CRP, ANA, ACCP
8. Biochemistry – ASO titration

Amraz-e Tanaffus, Qalb, Dauran e-Khoon, Amraz-e Dam wa Lymphavia
(Diseases of Respiratory, Cardiac, Circulatory, Hemopoetic and Lymphatic Systems)

1. Amraz-e Tanaffus (Respiratory Diseases)

- Applied Anatomy and Physiology, Signs & Symptoms, Diagnostic Parameters and important investigations of the System.
- Causes, pathogenesis, clinical features, investigations, diagnosis, differential diagnosis, principles of treatment, treatment, mamoolatematab, complications and important procedures of following disorders:
 - Nazla-e-Haar, Barid wa Muzmin
 - Sual-e-Yabis wa Ratab
 - COPD (Chronic Obstructive Pulmonary Disease)
 - Warm-e-Shoub (Bronchitis)
 - Zeeq-un-Nafas Shoubi (Bronchial Asthma)
 - Nafkhat-ur-Riya (Emphysema)
 - Ittisae Shobat-ur-Riya (Bronchiectesis)
 - Tadarrun-e-Revi (Pulmonary Tuberculosis)
 - Zatur Riya (Pneumonia)
 - Dubaelat-ur-Riya (Lung Abscess)
 - Nafkhat-us-Sadr (Pneumothorax), Hyderothorax)Ma'us Sadr, Haemothorax)
 - Taqeeh-ur-Riya (Empyema)
 - Zat-ul -Janb/shusa (Pleurisy)
 - Istasqa-us-Sadr (Pleural Effusion)
 - Acute Respiratory Distress Syndrome (ARDS)
 - Sartane Shobat-ur-Riya (Bronchial Carcinoma)
 - Talayyuf al Riya (Fibrosis of Lungs)
 - Easinophillia
 - Environmental Pulmonary Disorders

- Occupational Hazards
 - Silicosis
 - Asbestosis
- Fungal Infection of lung (Aspergillosis, Actinomycosis)

2. Basic knowledge of following investigation and procedures:

1. Examination of Sputum
2. Radiological investigations (X-ray, USG, CT chest, MRI)
3. Bronchoscopy
4. Pleural Aspiration
 - Cytology
 - Biochemistry
5. Biopsy
6. Pulmonary Function Test / Spirometry
7. Allergic sensitivity test

3. Amraaz- e Qalb wa Dauran-e Khoon (Cardio-Vascular Diseases)

- Applied Anatomy and Physiology, Signs & Symptoms, Diagnostic Parameters and important investigations of the System.
- Causes, pathogenesis, clinical features, investigations, diagnosis, differential diagnosis, principles of treatment, treatment, mamoolatamatab, complications and important procedures of following disorders:

Soo-e-Mizaje Qalb (Altered temperament of Heart), Warm-e-Uzn-ul-Qalb, Izm Uzn-ul-Qalb (Atrial Hypertrophy), Izm Batan-ul-Qalb (Ventricular Hypertrophy), Ghashi (Syncope), Khafqan (Palpitation), Fallot's Tetralogy, Iltihabe Qalb aur Aqsam (Carditis and types), Iltihabe Ghilaf-ul-Qalb (Pericarditis), Istisqa-ul-Qalb (Pericardial Effusion), Iltihabe Azlat-ul-Qalb (Myocarditis), Amraze Azlate Qalb (Cardiomyopathies), Iltihabe Betanae Qalb (Endocarditis), Daul Qalb Hudari (Rheumatic Heart disease), Amraze-e Samamaate Qalb (Valvular diseases), Tazayyuqe Zur-rasain (Mitral Stenosis), Tazayyuqe Aorta (Aortic Stenosis),

Qusoore Zur-rasain (Mitral Incompetence), Qusoore Aorta (Aortic Incompetence), Daul Qalb Revi (Cor Pulmonale)

- Iflaase Qalb (Ischaemic Heart Disease)
 - Wajaul Qalb (Angina Pectoris),
 - Maitootatul Qalb (Myocardial Infarction)
- Arrhythmias
 - Sura'at-e-Qalb (Tachycardia)
 - Batu-e-Qalb (Bradycardia)
 - Manuate Qalb (Heart Block)
- Suqoote Qalb(Heart Failure)
 - Cardiac Arrest

4.Amraz e-Urooqe Damviya (Diseases Of Blood Vessels)

- Tasallube Sharaeen (Atherosclerosis)
- Iltihab Auridah Takhasuri (Thrombophlebitis)
- Zaght-ud-Dam Qawi (Hypertension)
- Suqoote Daurane Khoon (Circulatory failure)

5.Amraz-e Dam wa Lymphaviyah (Diseases of Haemopoetic And Lymphatic System)

- Anemia (Faqrud Dam / Su al Qiniya) - Introduction, Classification, and clinical presentation, diagnosis, and special emphasis on Thalassemia and Sickle cell anemia
- Nazfud Dam Mizaji (Haemophilia)
- Qillate Sufehiyat-ud-Dam (Thrombocytopenia)
- Abyazud Dam (Leukaemia)
- Lymphoma
- Amraze Tihal (Diseases of Spleen):
 1. Warme Tihal (Inflammation of Spleen)
 2. Sartane Tihal (Carcinoma of Spleen)
 3. Izm-e-Tihal (Splenomegaly)

6.Basic Knowledge of Following Investigation and Procedures:

1. Electrocardiography (ECG),

2. Echocardiography & Treadmill Test
3. Angiography & Angioplasty
4. Cardiac Catheterisation
5. Pericardial Paracentesis
6. Cardiac Biomarkers
7. Lipid Profile

MOALAJAT
(General Medicine)

PAPER III

Theory- One Papers-100 Marks
Teaching Hours-150 hours

Amraze Nizame Hazm, Kabid, Baul-wa-Tanasul, Amraze Mutaddiyeh, Amraz e-Mafasil wa Izaam and Matab wa Nuskha Navesi

(Diseases of Digestive system, Liver, and Urogenital system, Infectious diseases)

1. Amraaz e-Nizame Hazm (Diseases Of Digestive System)

- Applied Anatomy and Physiology, Signs & Symptoms, Diagnostic Parameters and important investigations of the System.
- Causes, pathogenesis, clinical features, investigations, diagnosis, differential diagnosis, principles of treatment, treatment, mamoolatematab, complications and important procedures of following disorders:

a. Amraze-e Mari (Diseases of Oesophagus)

- Warne Mari (Esophagitis)
- Istirkhae Mari (Achlorasia Cardia)
- Taqahqure Mari (Reflux esophagitis)
- Usrul bal'a (Dysphagia)

b. Amraze Meda (Diseases of stomach)

- Zoafe-Meda (weakness of the stomach)
- Sooe-Mizaj Meda (altered temperament of Stomach)
- Warne-Meda (Gastritis)
- Wajaul Fawad
- QarheMedawaAsnaAshri (Gastric & Duodenal ulcer)
- Sartan e-Meda (Carcinoma of stomach)
- Naf'kh (Flatulence)
- Fawaq (Hiccup)
- QillatwakasratehumoozateMedi (Hypo and hyper acidity)

- NuqseIshteha (Anorexia)
- Ghasyan (Nausea), Qai (vomiting), Tehevvo (Eructation), ,
- Joo'ul baqar(Bulimia)
- Zauf-e-Hazm, Soo-e-Hazm, Tukhma
- Qai-ud-dam (Haemetemesis)
- Baraz-ud-dam (Melaena)

c. Amraz-e Ama'a (Intestinal diseases)

- Warm-e Ama'a (Enteritis)
- Tadarrun-e Mevi (Intestinal tuberculosis)
- Is'hal (Diarrhoea)
- Warme Qolon (Colitis)
- Crohn's disease
- Zaheer (Dysentery)
- Sahaje Ama'a (IntestinalAbrasion)
- Zalaqul Ama'a
- Illate tahreek-e-Mevi (Irritable bowel syndrome)
- Qoolanje Ama'a (Intestinal colic)
- Deedane Ama'a (Intestinal worms)
- Bawaseer (Haemorrhoids)
- Qabz (Constipation)

d. Amraz-e Kabid (Liver Diseases)

- Zoufaur Saqoot Kabid (Hepatic Insufficiency and Failure)
- Sooe mijaz Kabid (Altered Hepatic Temperament)
- Warm-e Kabid (Hepatitis)
- DubailatulKabid (Liver abscess)
- Talayyuf-ul-Kabid (Cirrhosis of liver)
- Sartan ul Kabid (Hepatic carcinoma)
- Yarqan (Jaundice)
- Izme Kabid

e. Amraz-e Mirara (Diseases of Gall Bladder)

- Warm-e Mirara (Cholecystitis)
- Hisatul Mirara (Cholelithiasis)
- Sartan-e Mirara (Carcinoma of gall bladder)

f. Amraz-e Baritton (Diseases of Peritonium)

- WarneBaritton (Peritonitis)
- Istisqa (Ascitis) aur iss ke aqsaam

g. Amraz-e-Banqaras (Diseases of Pancreas)

- Warm-e Banqaras (Pancreatitis)
- Warm-e Baritton (Peritonitis)

2. Amraze-e Nizame Baul (Disease Of Urinary System)

- Sue Mizaj Kulliya,
- Zoufe wa Huzale Kuliya
- Warne Kulliya (Nephritis)
- DiqqulKulliya (Renal tuberculosis)
- HisatulKulliya (Renal stones)
- WajaulKulliya (Renal colic / Nephralgia)
- Istesqa ul Kuliya (Hydronephrosis)
- Nephritic syndrome
- Tasammumbouli (Uraemia)
- Suqoot-e-Kuliya (Renal Failure)

3. Amraze-e Masana (Bladder Disorders)

- Zoafe Masana (Dystonia of the bladder)
- Warne Masana (Cystitis)
- Hisate wa ramale Masana (Bladder Stones)
- Ihtebase Baul (Retention of urine)
- Salasul Baul and Taqteerul Baul
- Bauluddam (Haematuria)

- Tadia Majra-e-Bauli (Urinary Tract Infection)
- Baule Zulali (Proteinurea/albuminuria)
- Kasrat wa Qillate Baul (poly and Oliguria)
- Baul fil farash (Bed wetting)

4. Amraze-e Tanasul (Genital Disorders)

- Zoafe bah (Anaphrodisia)
- Sur'ateInzaal (Premature ejaculation)
- KasrateIhtelam (Excessive nocturnal emissions)
- Jiryane mani wa mazi (Semenorrhoea Prostatorrhoea)
- Warme ghuddae mazi (Prostatitis)
- WarmeKhusia (Orchitis)
- Qillate manaviya (Oligospermia)
- Qillate Huwainiyat manaviya (Oligozoospermia)
- Erectile dysfunction (Nuqse Naooz)
- Uqr (Infertility)

Amraze Mutaddiyeh, Matab wa Nuskha Navesi

Causes, pathogenesis, clinical features, investigations, diagnosis, differential diagnosis, principles of treatment, treatment, mamoolat-e-matab, complications and important procedures of following disorders:

5. Amraz-e-Mutaddi wabai

- **Concept and classification of infectious diseases, usoole-ilaj wa ilaj**
- **Brief discussion of Bacterial, viral, protozoal and helmenthic causes of fever**
 - a) HummaeMeviya (Typhoid fever)
 - b) HummaeIjamia (Malarial fever)
 - c) Kala Azar (Lieshminiasis)
 - d) HummaeHudariya (Rheumatic fever)
 - e) Hasba / Khasra (Measles)
 - f) Humaiqa (Chicken pox)
 - g) Anafulanza (Influenza)

- h) Ta'oun (Plague)
- i) HummaeDanj (Dengue fever)
- j) HummaeAsfar (Yellow fever)
- k) HummaeQurmiziya (Scarlet fever)
- l) Bird Flu
- m) Ebola
- n) Chickungunia
- o) Swine Flu
- p) Zika Virus
- q) SARS
- r) Coronavirus
- s) Kanasur Forest Fever (Monkey Fever)
- t) Pyrexia of unknown origin
- u) AIDS
- v) Kuzaaz (Tetanus)

6. Amraz e-Mafasil wa Izaam

- Wajaul-Mafasil – Rakba, Unq, Zahar, Qutun, Khasira, Warik, Aqib, Katif etc).
- Iltehab-e- Mafasil, Niqras, Irqunnasa, Tahajjure- Mafasil, Hadba-wa-riyahul-afrsa, Iltihabul-fuqrat, wajaul mafasil hudari (Rheumatoid Arthritis), Osteomyelitis, Osteomalacia (Layyanul Izaam), Kussah (Ricketes)

7. Matab wa Nuskha Naveesi

1. Taraqi Matab ke Usool wa Zavabit
2. Fan-e- Nuskha Navesi
3. Nuskha Navesi ke Usool
4. Matab ke Khusoosiyat
5. Tabeeb ke Khusoosiyat
6. Usool wa Ramooze Ilaj
7. Usoole Ilaj
8. Aamale Dawa sazi

9. Tibbi Auzan
10. Miqdaar Khurak
11. Biochemistry,
12. Haematological values,
13. Usoole tashkhis wa tajviz mai jaded izafaat
 - a. Biochemistry
 - b. Haematological values,
14. Nuskha Khalale Shikam
15. Nushka Naveesi wa mujaribat
 - Amraze Raas wa Asab
 - Amraze Qalb wa Daurane khoon wa lymphavia
 - Amraze Sadar
 - Amraze Meda, mari, Ama
 - Amraze Kulliya, Baul wa tanasul
 - Amraze Jigar, Tihal wa banqaras
 - Amraze Mafasil
 - Hummiyat, Amraze Wabaiya ka Usoole Ilaj

8. Reference books for Matab wa Nuskha Naveesi

1. Matab wa Nuskha naveesi by Prof. Abdul Mannan
2. Mamoolate Matab Ajmal Khan Tibbiya College hospital, Aligarh by Prof Abul Mannan
3. Tajarubaat-e- Matab by Hakeem Abdul Mannan
4. Tazkarah-e-Jaleel by Hakeem Jaleel Ahmed
5. Kulliyat book
6. Saidla book.

9. Basic knowledge of following investigation and procedures:

- Endoscopy
- Radiological Examination
- CT/MRI/USG/X-ray/IVP
- Sigmoidoscopy
- Colonoscopy

- Proctoscopy
- Ascitic tapping
- Liver Biopsy
- Paracentesis abdominis
- Liver function test
- Semen analysis

PRACTICAL

100 Marks

10. Juz-e-Amali (Practicals)

- The practical/clinical training of the subject shall be conducted in hospital which include OPD/IPD duties, ward rounds, clinical demonstration, the minimum hours of teaching should not be less than 50 hours in each term for each paper.
 - Audio visual aids should be utilized for teaching purposes and at least one seminar should be conducted once in a month on important topics of medicine with practical demonstration.
-