

Ref No: CIR / EXAM /2023 /0019

Date: 28/08/2023

To,
Phase II MBBS Students,
CDSIMER DSU

Circular- Second Internal Assessment for Phase II MBBS Academic year 2022-23

The timetable for the **Second Internal assessment (Theory & Practical)** for Phase II MBBS Students is as given below.

THEORY		
DATE & DAY	TIME	SUBJECT
29-09-2023, Friday	10:45 AM to 12:45 PM	FORENSIC MEDICINE
03-10-2023, Tuesday	02:15 PM to 3:45 PM	GENERAL MEDICINE
04-10-2023, Wednesday	02:15 PM to 3:45 PM	GENERAL SURGERY
05-10-2023, Thursday	10:00 AM to 1:00 PM	COMMUNITY MEDICINE
06-10-2023, Friday	02:15 PM to 3:45 PM	OBG
12-10-2023, Thursday	10:00 AM to 1:00 PM	PHARMACOLOGY
13-10-2023, Friday	10:00 AM to 1:00 PM	PATHOLOGY
14-10-2023, Saturday	10:00 AM to 1:00 PM	MICROBIOLOGY

PRACTICAL					
DATE	TIME	SUBJECT			
07-10-2023 Saturday	9 AM to 1 PM	A BATCH	B BATCH	C BATCH	D BATCH
		PHARMACOLOGY	PATHOLOGY	MICROBIOLOGY	FORENSIC MEDICINE
09-10-2023 Monday	9 AM to 1 PM	B BATCH	C BATCH	D BATCH	A BATCH
		PHARMACOLOGY	PATHOLOGY	MICROBIOLOGY	FORENSIC MEDICINE
10-10-2023 Tuesday	9 AM to 1 PM	C BATCH	D BATCH	A BATCH	B BATCH
		PHARMACOLOGY	PATHOLOGY	MICROBIOLOGY	FORENSIC MEDICINE
11-10-2023 Wednesday	9 AM to 1 PM	D BATCH	A BATCH	B BATCH	C BATCH
		PHARMACOLOGY	PATHOLOGY	MICROBIOLOGY	FORENSIC MEDICINE

Batches for Practical Exams are as follows:

USN	Batch	No. of Students
HSC21MB0001 to HSC21MB0038	A	36
HSC21MB0039 to HSC21MB0076	B	36
HSC21MB0077 to HSC21MB0114	C	36
HSC21MB0115 to HSC21MB0150	D	37
HSC20MB0111 & HSC20MB0139		


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Portions for Second Internal Assessment of Phase II MBBS

➤ DEPARTMENT OF FORENSIC MEDICINE

- Introduction
- Death and its causes.
- Post mortem changes.
- Medicolegal autopsy.
- Toxicology (complete).

➤ DEPARTMENT OF GENERAL MEDICINE

- Fever and Febrile Syndrome
- Anaemia
- Obesity
- Diarrhoeal Disorder
- Headache
- Nutrition and Vitamin deficiencies
- Miscellaneous infections

➤ Department of General Surgery

- INTRODUCTION TO SURGERY
- HISTORY OF SURGERY
- BASIC CONCEPTS OF HOMEOSTASIS, METABOLIC CHANGES IN INJURY AND THEIR MEDIATORS
- FACTORS AFFECTING METABOLIC RESPONSE TO INJURY
- PERI-OPERATIVE CARE
- SHOCK
- BLOOD AND BLOOD PRODUCTS
- BURNS
- WOUNDS, WOUND HEALING
- SURGICAL INFECTIONS
- SURGICAL AUDIT AND CLINICAL RESEARCH
- ETHICS IN SURGERY, PROFESSIONALISM.
- MEDICO LEGAL ISSUES IN SURGICAL PRACTICE
- STERILIZATION AND DISINFECTION
- HOSPITAL WASTE AND METHODS OF WASTE DISPOSAL
- MINIMAL INVASIVE SURGERY
- FIRST AID
- CUTANEOUS AND SUB CUTANEOUS INFECTIONS
- ELECTROLYTE IMBALANCE
- DIAGNOSTIC IMAGING IN SURGERY- BASIC PRINCIPLES

➤ Department of Community Medicine

- Concepts of health and disease
- Medicine and social sciences
- Nutrition and health
- Principles of Epidemiology and Epidemiologic methods
- Environment and health
- Topics covered in Occupational health till 30th September 2023

➤ DEPARTMENT OF OBG

- Describe & discuss birth rate, maternal morbidity and mortality.
- Embryology of female genital tract & anatomy of external genitalia
- Anatomy of internal genital organs & applied anatomy
- Physiology of ovulation, fertilization, implantation and gametogenesis
- Physiology of menstruation
- Describe and discuss the basic embryology of fetus, factors influencing fetal growth and development and teratogenesis
- Anatomy and physiology of placenta & fetal membranes, Amniotic fluid
- Describe, discuss and identify pre-existing medical disorders and discuss their management; discuss evidence based intrapartum care.
- Describe, discuss and demonstrate the clinical features of pregnancy,
- Derive and discuss its differential diagnosis, elaborate the principles underlying and interpret pregnancy tests
- Describe and discuss the changes in the genital tract, Cardiovascular system, respiratory system in pregnancy
- Describe and discuss the changes in hematology, renal and gastrointestinal system in pregnancy.
- Enumerate, describe and discuss the objectives of antenatal care, assessment of period of gestation; screening for high risk factors.
- Enumerate the indications and describe the investigations including the use of ultrasound in the initial assessment and monitoring in pregnancy.
- Classify, define and discuss the etiology and management of abortions including threatened, incomplete, inevitable, missed and septic.
- Enumerate the indications and describe and discuss the legal aspects, indications, methods for first and second trimester MTP;
- Complications and management of complications of Medical Termination of Pregnancy.
- MTP & PCPNDT ACT
- Enumerate the principles of medical and surgical management OF ECTOPIC PREGNANCY
- Complications and management of complications of Medical Termination of Pregnancy.
- MTP & PCPNDT ACT
- Describe the etiopathology, impact on maternal and fetal health and principles of management of hyperemesis gravidarum

- Discuss the CF, laboratory investigations, USG, DD, Principles of management of Molar Pregnancy
- Recurrent pregnancy Loss

➤ DEPARTMENT OF PHARMACOLOGY

- Drugs modulating the action of autocooids
- NSAIDs
- Drugs for the treatment of Migraine
- Antirheumatic and Antigout drugs
- Corticosteroids
- Immunomodulators
- Local Anaesthetics
- General Anaesthetics
- Anxiolytics
- Sedative hypnotics
- Opioids
- Antisychotics
- Antidepressants
- Antiepileptics
- Complete Cardiovascular system topics

➤ DEPARTMENT OF PATHOLOGY

❖ THEORY

- Neoplasia – Carcinogens & carcinogenesis
- Clinical Pathology – Body fluids
- RBC Disorders , vascular and platelet disorders including blood banking.(nutritional anaemias excluded)
- Hemato- lympholymphoid malignancies.
- Gastrointestinal system.
- Hepatobiliary system.
- Respiratory System including tuberculosis
- Cardiovascular system.
- Renal System – Acute and chronic renal failure, Renal tubule-interstitial disorders.
- Endocrine disorders – Cushing's syndrome , Adrenal insufficiency and neoplasms.

❖ PRACTICAL

- Benign tumors of Blood vessels - Capillary Hemangioma and Cavernous Hemangioma, Pyogenic granuloma.
- Benign tumors - Epithelial & mesenchymal -Squamous papilloma, Fibroadenoma, Lipoma, Leiomyoma.
- Malignant tumors - Epithelial& Mesenchymal - Squamous cell carcinoma, Adenocarcinoma, Metastasis in lymph node, Leiomyosarcoma.

- OSPE- Peripheral blood smear staining and reporting of Normocytic normochromic blood picture (including Differential count)
- Anaemia- Microcytic hypochromic anaemia ,Macrocytic anaemia, Hemolytic anaemia, Sickle cell anaemia, Thalassemia
- Spotter slides -Reticulocyte count, Malarial parasite, Eosinophilia & neutrophilia.
- CHARTS - Iron deficiency anaemia, Sickle Cell Anaemia , Thalassemia, Hereditary Spherocytosis, Autoimmune Hemolytic Anaemia.
- Leukemias - Acute and Chronic myeloid leukemia, Acute lymphoblastic leukemia and Chronic lymphoid leukemia, Multiple myeloma.
- CHARTS – Hemato lymphoid malignancies.
- CVS - Interpret abnormalities in cardiac function testing in acute coronary syndromes
- SLIDE & SPECIMEN – Atherosclerosis ; CHART – Myocardial Infarction.
- Respiratory system: Lobar pneumonia, Bronchiectasis
- Gastrointestinal tract - Pleomorphic adenoma, Warthins tumor, Carcinoma stomach, Adenocarcinoma colon.
- INSTRUMENTS

➤ DEPARTMENT OF MICROBIOLOGY

❖ THEORY

- SYSTEMIC MICROBIOLOGY (Infectious disease)
- Enteric Fever, Rickettsial Infection
- MISCELLANEOUS BACTERIAL INFECTIONS:
- Leptospira & Borrelia
- Malaria & Babesiosis- P.vivax , P ovale , P. malaria
- Filaria
- Viral hemorrhagic fever (VHF)
- Dengue, Chikungunya
- Trypanosoma
- Leishmania
- HIV/AIDS
- Systemic candidiasis and systemic mycoses - dimorphic fungi.

GASTROINTESTINAL INFECTIVE SYNDROMES:

- Food poisoning: Definition, Classification; Etiological agents (bacterial, fungal-mycotoxins, parasitic) S. aureus, Bacillus cereus, Clostridium botulinum
- GASTROINTESTINAL INFECTION DUE TO ENTEROBACTERIACEE
Gastrointestinal infections- microbial agents causing diarrhea: Vibrio Cholerae and Halophilic Vibrios.
- Microbial agents causing dysentery: Shigella species and E. histolytica
Miscellaneous bacterial infections of gastrointestinal system: Helicobacter, Campylobacter, Clostridioides difficile and yersiniosis infections

- Intestinal Protozoan Infections causing diarrhoea: Giardiasis, Coccidian parasitic infections.
Intestinal Helminthic Infections-1
- Intestinal cestode infections: Taenia species, Hymenolepis
Intestinal Helminthic Infections-2
Intestinal trematode infections: Fasciolopsis buski, Fasciola hepatica. Trichuris trichiura, Enterobius vermicularis
Intestinal nematode infections: Strongyloides stercoralis and Ascaris lumbricoides
- HEPATOBILIARY SYSTEM INFECTIONS
Infective Syndromes of hepatobiliary system and abdomen: Hepatitis A, B, C and E viruses
- SKIN ,SOFT TISSUE INFECTION AND MUSCULOSKELETAL SYSTEM INFECTIONS
Bacteria- (*P. aeruginosa*), *Staphylococcus aureus*, NTM, *Gonococcus*, Anthrax (*Bacillus anthracis*), Actinomycosis, Nocardiosis, non-venereal Treponematoses (yaws, pinta), *Mycobacterium leprae*
 1. Non-sporing anaerobic infections
 2. *Clostridium perfringens* , *Clostridium tetani*
- PARASITES SKIN, SOFT TISSUE INFECTION AND MUSCULOSKELETAL SYSTEM INFECTIONS
Parasites- *Dracunculus medinensis*, Larva migrans –causative agents, clinical presentation, lab diagnosis & treatment *T. spiralis*, Cysticercosis
- Viral Exanthems and Other Cutaneous Viral Infections-
Herpes Simplex Virus 1 & 2, *Varicella-zoster Virus*, HHV- 6 & 7

❖ PRACTICALS:

- Culture media
- Biochemical Reactions
- Laboratory diagnosis of bacterial infections: Antimicrobial Susceptibility Testing
- Spotters: Block 2 Spotters
- Laboratory diagnosis of HIV, NACO guidelines & Needle stick injury
- — Stool microscopy-1(ova & cyst, Trophozoites, larval forms), Peripheral blood smear (Malaria, Microfilaria, Leishmania, Trypanosoma)
- Applied Exercises – diarrhoea, *E. coli*, *Shigella* species, *E. histolytica*
- Applied exercises: Malaria (*P. vivax*, *P. falciparum*)
- Laboratory diagnosis of hepatitis viruses and GI infections:
- Grams stain & ZN stain