CDSIMER
Dr. Chandramma Dayananda Sagar Institute of Medical Education and Research (Unit of Dayananda Sagar University)

Ref No: CIR / 2024 /EXAM / 0011 **Date: 16/02/2024**

To,
Phase II MBBS Students,
CDSIMER, DSU

Circular- First Internal Assessment for Phase II MBBS (Academic year 2023-24)

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

THEORY		
DATE & DAY	**TIME**	**SUBJECT**
18-03-2024, Monday	10 AM to 1 PM	**PHARMACOLOGY**
19-03-2024, Tuesday	10 AM to 1 PM	**PATHOLOGY**
20-03-2024, Wednesday	10 AM to 1 PM	**MICROBIOLOGY**

PRACTICAL				
DATE	**TIME**	**SUBJECT**		
21-03-2024	9 AM to 4 PM	**A BATCH**	**B BATCH**	**C BATCH**
Thursday		**PHARMACOLOGY**	**PATHOLOGY**	**MICROBIOLOGY**
22-03-2024	9 AM to 4 PM	**B BATCH**	**C BATCH**	**A BATCH**
Friday		**PHARMACOLOGY**	**PATHOLOGY**	**MICROBIOLOGY**
23-03-2024	9 AM to 4 PM	**C BATCH**	**A BATCH**	**B BATCH**
Saturday		**PHARMACOLOGY**	**PATHOLOGY**	**MICROBIOLOGY**

Batches for Practical Exams are as follows:

USN	Batch	No. of Students
HSC22MB0001 - HSC22MB0050	A	51
HSC21MB0001 & HSC21MB0031		
HSC22MB0051 - HSC22MB0100	B	51
HSC21MB0045 & HSC21MB0057		
HSC22MB0101 - HSC22MB0150	C	51
HSC21MB0083, HSC21MB0092 HSC21MB0127		

Dr. A C Ashok
Principal & Dean
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PORTIONS FOR PHASE II MBBS FIRST INTERNAL ASSESSMENT FOR THE A.Y 2023-24

DEPARTMENT OF PHARMACOLOGY

THEORY PORTION

PH 1.1 A: Define and describe the principles of pharmacology and pharmacotherapeutics.
PH1.1D: Describe various routes of drug administration, eg: oral, SC, IV, IM, SL.
PH1.4A: Explain biological membrane & Describe absorption, upto defn , concepts of BA/BE.
PH 1.4 B: Describe drug absorption & distribution.
PH 1.4 C & D: Describe metabolism & excretion of drugs.
PH 1.5: Describe general principles of mechanism of drug action
PH 1.7: Define, identify and describe the management of adverse drug reactions (ADR)
PH 1.13: Describe mechanism of action, types, doses, side effects, indications and contraindications of adrenergic and anti- adrenergic drugs
PH 1.14: Describe mechanism of action, types, doses, side effects, indications and contraindications of cholinergic and anticholinergic drugs.
PH 1.15: Describe mechanism/ s of action, types, doses, side effects, indications and contra-indications of skeletal muscle relaxants.
PH 1.16 (A & B): Describe mechanism/ s of action, types, doses, side effects, indications and contraindicatio ns of the drugs which act by modulating autacoids, including: anti- histaminic, NSAIDs, drugs for gout, anti-rheumatic drugs.

PRACTICAL PORTION

PH 1.1B- Define and describe the principles of pharmacology and pharmacotherapeutics.
PH 1.64B: Describe overview of drug development, Phases of clinical trials and Good Clinical Practice
PH 2.1A, Demonstration of the use of various solid dosage forms.
PH 2.1B Demonstration of the use of various liquid dosage forms.
PH 2.1C: Demonstration of the use of various topical dosage forms.
PH 2.1D: Demonstration understanding of the use of various parenteral dosage forms.
2.1E: Demonstrate understanding of the use of various inhalation dosage forms.
PH 2.1F: Demonstrate the understanding of newer drug delivery systems.
PH 1.12: Calculate the dosage of drugs using appropriate formulae for an individual patient, including children, elderly and patient with renal dysfunction.
PH 4.1A: Administer drugs through various routes in a simulated environment using mannequins
PH 4.1B: Administer drugs through rectal routes in a simulated environment using mannequins
PH 4.1C: Administer drugs through intramuscular routes in a simulated environment using mannequins

PH 4.1D: Administer drugs through intravenous routes in a simulated environment using mannequins
PH 4.1E: Administer drugs through subcutaneous, intradermal and intracardiac routes in a simulated environment using mannequins
PH 4.1F: Administer drugs through transcutaneous routes in a simulated environment using mannequins
PH 4.1G: Administer drugs through transmucosal /inhalational routes in a simulated environment using mannequins
PH 4.1H: Administer drugs through transnasal, ophthalmic and ear routes in a simulated environment using mannequins
PH4.2 (A): Introduction to computer aided learning.(CAL)
PH 4.2(B): Demonstrate the effects of drugs on isolated heart (vasopressor and vasodepressors with appropriate blockers) using computer aided learning
PH 4.2C: Demonstrate the effects of drugs on blood pressure (vasopressor and vasodepressors with appropriate blockers) using computer aided learning.
PH 4.2D: Demonstrate the effects of cholinergic agonist & antagonist on ciliary movement in frog esophagus using computer aided learning
PH 4.2E: Demonstrate the effects of cholinergic and anticholinergic drugs on rabbit eye using computer aided learning

Note: Please go through the specific learning objectives mentioned under each competency in the Lecture PPTs.

DEPARTMENT OF PATHOLOGY

THEORY PORTION

- General Pathology - Chapter I to V
- Cell injury
- Inflammation and repair
- Hemodynamic changes
- Neoplasia
- Hypersensitivity reactions
- Graft V/S host reactions
- Environmental disorders
- Infectious disease-(Malaria, Cysticercosis, TB, Syphilis, Helminthic, protozoal disorders)

PRACTICAL PORTION

1. **Practical Classes:** Blood grouping, Physical examination of Urine - Detection of Ketone and Glucose.
2. **HP Practicals:** General pathology, all slides covered under general pathology including infections.
   MI chart, PAP smear chart, Wound healing, Cytology

DEPARTMENT OF MICROBIOLOGY

THEORY PORTION

1. **GENERAL MICROBIOLOGY**
    - Introduction & History
    - Morphology & Physiology of Bacteria
    - Overview of important bacteria associated with human disease
    - Bacterial genetics 1&2
    - Sterilization and Disinfection 1 & 2
    - Antimicrobial agents
2. **IMMUNOLOGY**
    - Immunity
    - Antigen
    - Antibody
    - Complement system
    - Antigen – Antibody reaction 1&2
    - Components of immune system
    - Immune response – cell mediated
    - Immune response – Humoral/Antibody mediated
    - Hypersensitivity 1&2
    - Autoimmunity
    - Transplant and cancer immunology
    - Immunoprophylaxis
3. **MYCOLOGY**
    - General mycology, overview & Laboratory diagnosis of fungal infections.
4. **PARASITOLOGY**
    - General parasitology, overview & Laboratory diagnosis of parasitic infections.
5. **VIROLOGY**
    - General virology, overview & Laboratory Diagnosis of viral infections
6. **BLOODSTREAM & CARDIOVASCULAR SYSTEM INFECTIONS**
    - Cardiovascular system infections – acute rheumatic fever and others.
    - Enteric fever
    - Rickettsial Infections
    - Miscellaneous bacterial bloodstream infections PUO, Brucellosi

PRACTICAL PORTION

1. **Gram stain**
2. **ZN stain**
3. **Block-1 spotters**
4. **OSPE (Hand hygiene, Donning & Doffing of PPE and hand gloves)**