CDSIMER
Dr. Chandramma Dayananda Sagar
Institute of Medical Education and Research

Ref No: CIR / ACA /2022 /0053

Date: 14/09/2022

To,
Phase – I MBBS Students
CDSIMER, DSU

Time Table for Second Internal Assessment

The second internal assessment for Phase-I MBBS will be held as per the below mentioned schedule:

THEORY				
DATE	**TIME**	**SUBJECT**		
06.10.2022 Thursday	**10 AM to 1 PM**	**Anatomy**		
07.10.2022 Friday	**10 AM to 1 PM**	**Physiology**		
08.10.2022 Saturday	**10 AM to 1 PM**	**Biochemistry**		
PRACTICAL				
10.10.2022 Monday	**9 AM to 4 PM**	**A BATCH**	**B BATCH**	**C BATCH**
		Anatomy	Physiology	Biochemistry
11.10.2022 Tuesday	**9 AM to 4 PM**	**B BATCH**	**C BATCH**	**A BATCH**
		Anatomy	Physiology	Biochemistry
12.10.2022 Wednesday	**9 AM to 4 PM**	**C BATCH**	**A BATCH**	**B BATCH**
		Anatomy	Physiology	Biochemistry

Sl No	USN	Batch
1	HSC21MB0001 – HSC21MB0050	**BATCH A**
2	HSC21MB0051- HSC21MB0100	**BATCH B**
3	HSC21MB0101- HSC21MB0150	**BATCH C**

Portions for Second Internal Assessment

Anatomy:

- **Gross Anatomy** – Abdomen , pelvis , Head& neck (Topics covered till 23.09.2022)
- **Embryology** – Development of GIT, development of male and female reproductive system, development of urinary system.
- **Histology** – Gastrointestinal tract, liver, pancreas, gall bladder, urinary system, male and female reproductive system.
- **Osteology** – Lumbar vertebrae, hip bone, skull.

Physiology:

THEORY PORTIONS:

1. **Cardiovascular physiology:** Anatomical and functional overview of heart. Properties of Cardiac muscle, Pacemaker tissue & Conducting system Electrophysiology of heart- Recording, features and uses of normal ECG, Cardiac axis & vector. Heart as a pump, cardiac output Dynamics of circulation.

   Blood pressure- its components, determinants, factors affecting arterial BP, Regulation (short, term, intermediate, long term) and pathophysiology of hypertension, hypotension. Regional circulation

2. **Respiratory Physiology:** Functional organization, Pulmonary Ventilation Pulmonary gas exchange, Regulation of respiration. Principles of artificial respiration and oxygen therapy. Pathophysiology of dyspnoea, hypoxia, cyanosis, asphyxia, drowning, periodic breathing. Pulmonary function tests and its clinical importance

3. **Renal physiology:** Functional anatomy, renal circulation, Mechanism of urine formation- Glomerular filtration, tubular reabsorption and secretion, counter current mechanism, acidification of urine. Renal regulation of acid base balance, fluid-electrolyte balance and its clinical implication. Micturition. Normal and abnormal cystometry. Artificial kidney, renal transplantation. Renal function tests.

4. **Gastrointestinal physiology:** General principles of gastrointestinal functions, secretions, movements and regulation. GI Secretions: Volume, composition, Mechanism of formation, Regulation, functions of Saliva, Gastric juice, Exocrine Pancreatic secretion; Succus entericus and Bile.GI Movements: Electrophysiology of GI smooth muscle and basic patterns of GI motility ; Electrophysiology of gastric emptying and regulation Digestion and Absorption of Carbohydrates, Proteins, Lipids and Vitamins ;Role of Dietary fibres.

   GI hormones, Gut brain axis Components Enterohepatic circulation, Gastric, Pancreatic (exocrine) and Liver function tests. G I disorders.

THEORY QUESTION PAPER PATTERN

Type of Question	Number of Questions	Marks for each question	Total Marks
Long Essay	2	10	20
Short Essay	9	5	45
Short Answer	5	3	15
Multiple Choice Questions (MCQs)	20	1	20
Total			**100**

PRACTICAL PORTIONS:

A. HEMATOLOGY

1. Estimation of Haemoglobin by Sahli's Method
2. Determination of Red Blood Cell Count
3. Determination of Total Leucocyte Count
4. Determination of Differential Leucocyte Count
5. Determination of Blood Group
6. Determination of Bleeding Time and Clotting Time

B. CLINICAL

1. Examination of Radial pulse.
2. Measurement of Arterial Blood Pressure
3. Effect of Posture on Pulse and Blood Pressure
4. Examination of Cardiovascular System
5. Examination of Respiratory System

C. HUMAN

1. Mosso's Ergography
2. Harvard Step Test
3. Study of Electrocardiogram

PRACTICAL EXAM PATTERN

Experiment		Number of Questions	Total Marks
HEMATOLOGY	Major Experiment	1	20
	Minor Experiment	1	10
CLINICAL EXPERIMENTS		1	20
HUMAN EXPERIMENTS		1	10
TOTAL (PRACTICAL + VIVA)			60+20

Note: Completed record, log books and Skill Certification books duly signed by respective faculty members should be submitted on the day of Practical Exam.

Biochemistry:

- Glucuronic acid pathway
- Galactose metabolism and galactosemia
- Fructose metabolism and associated inborn errors
- Polyol pathway
- Alcohol metabolism
- Regulation of blood glucose
- Diabetes mellitus and GTT
- Obesity
- Amino acid metabolism (From Glycine and all other individual amino acids) and inborn errors associated with it.
- Lipids digestion and absorption
- Lipid metabolism including lipoprotein metabolism
- One carbon metabolism
- Water soluble vitamins
- Free radicals and antioxidants
- PCR
- Qualitative – Normal And Abnormal Urine Analysis
- Quantitative
  - Estimation of glucose
  - Estimation of Total Protein
  - Estimation of Albumin
  - Estimation of urea
  - Estimation of serum creatinine and urine creatinine and calculation of creatinine clearance.
- OSPE
- Case reports

Dr A C Ashok
Principal & Dean
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