

K V G MEDICAL COLLEGE, SULLIA

Department of Biochemistry

MBBS Phase I: CBME (RS4) Theory & Practical Teaching Schedule for 2024 batch

Dr. Deepthi G I

Sl No	Date	Teaching Method	Topic	Competency No
1.	15/02/2024	Lecture	Heme metabolism	BI 6.11, BI 6.12, BI 5.2, BI 11.17
2.	15/02/2024	SGT	Urine Creatinine estimation	BI 11.7, BI 11.21
3.	16/02/2024	Lecture	Liver function test	BI 6.13, BI 6.14, BI 6.15, BI 11.17
4.	22/02/2024	SGT	Nitric oxide – formation & function Polyamines Phenylketonuria Functions of prostaglandins Atherosclerosis	BI7.6, BI 7.7 BI 5.1, BI 5.2 BI 5.3, BI 5.4, BI 5.5, BI 11.17 BI 4.2, BI 4.3, BI 4.4, BI 4.6
5.	26/02/2024	SGT	ECE-3 Inborn errors of nucleotide metabolism	BI 6.2, BI 6.3, BI 6.4
6.	27/02/2024	SGT	ECE-3 Inborn errors of nucleotide metabolism	BI 6.2, BI 6.3, BI 6.4
7.	28/02/2024	SGT	ECE-3 Inborn errors of nucleotide metabolism	BI 6.2, BI 6.3, BI 6.4
8.	01/03/2024	Lecture	Molecular biology	BI7.1, BI7.2, BI7.3, BI9.3
9.	01/03/2024	SGT	Glucose tolerance test	BI 3.2, BI 3.3, BI 3.4, BI 3.5, BI 3.6, BI 3.7, BI 3.9
10.	01/03/2024	SGT	Glucose tolerance test	BI 3.2, BI 3.3, BI 3.4, BI 3.5, BI 3.6, BI 3.7, BI 3.9
11.	06/03/2024	SDL	Fat soluble vitamins	BI 6.5
12.	07/03/2024	Lecture	Fat soluble vitamins	BI 6.5
13.	07/03/2024	SGT	Record correction	

14.	14/03/2024 to 20/03/2024	FA	Metabolism of carbohydrates, proteins and lipids. Biological oxidation Heme metabolism Purine, pyrimidine metabolism. Chemistry of nucleic acids Replication, transcription & translation. Estimation of serum glucose, urea total protein and Creatinine. Glucose tolerance test & interpretation Colorimetry: General principle & applications. Electrophoresis: General principle & applications. Chromatography: General principle & applications.	BI 3.2, BI 3.3, BI 3.4, BI 3.5, BI 3.6, BI 3.7, BI 3.9, BI 5.3, BI 5.4, BI 5.5, BI 11.17, BI 4.2, BI 4.3, BI 4.4, BI 4.6, BI 6.6, BI 6.11, BI 6.12, BI 5.2, BI 11.17, BI 6.2, BI 6.3, BI 6.4, BI 7.1, BI 7.2, BI 7.3, BI 9.3, BI 11.21, BI 3.10, BI 11.8, BI 11.21, BI 11.7, BI 11.21, BI 3.2, BI 3.3, BI 3.4, BI 3.5, BI 3.6, BI 3.7, BI 3.9, BI 11.6, BI 11.18, BI 11.16. BI 11.19, BI 11.5, BI 5.5, BI 11.16, BI 11.19
15.	21/03/2024	SGT	Cholesterol estimation –Instruction	BI 11.9
16.	22/03/2024	SGT	Cholesterol estimation –Instruction	BI 11.9
17.	22/03/2024	SGT	Cholesterol estimation –Instruction	BI 11.9
18.	25/03/2024	SGT	Cholesterol estimation –Instruction	BI 11.9
19.	26/03/2024	SGT	Cholesterol estimation –Instruction	BI 11.9
20.	27/03/2024	SGT	Cholesterol estimation –Instruction	BI 11.9
21.	01/04/2024	SGT	Estimation of serum AST by IFCC method	BI 11.13
22.	02/04/2024	SGT	Estimation of serum AST by IFCC method	BI 11.13
23.	05/04/2024	SGT	Estimation of serum AST by IFCC method	BI 11.13
24.	06/04/2024	Lecture	Water soluble vitamins	BI 6.5
25.	08/04/2024	SGT	Water soluble vitamins	BI 6.5
26.	10/04/2024	SDL	Water soluble vitamins	BI 6.5
27.	12/04/2024	Lecture	Water soluble vitamins	BI 6.5
28.	12/04/2024	SGT	Acid base balance	BI 6.7, BI 6.8, BI 11.17
29.	19/04/2024	SGT	Water and electrolyte balance	BI 6.7
30.	19/04/2024	SGT	Estimation of calcium by arsenazo method	BI 11.11
31.	19/04/2024	SGT	Estimation of calcium by arsenazo method	BI 11.11
32.	24/04/2024	SDL	Adrenal function tests	BI 6.13, BI 6.14, BI 6.15, BI 11.17
33.	25/04/2024	Lecture	Mineral Metabolism	BI 6.9, BI 6.10
34.	25/04/2024	SGT	Estimation of inorganic phosphate by phosphomolybdate UV method	BI 11.11
35.	02/05/2024	SGT	CSF analysis biochemical parameters reference interval	BI 11.15
36.	08/05/2024	SDL	Biochemistry of cancer	BI 10.1, 10.2
37.	09/05/2024	SGT	ECE 5 ABG	BI 6.7, 6.8
38.	10/05/2024	SGT	ECE 5 ABG	BI 6.7, 6.8
39.	11/05/2024	Lecture	Biochemistry of cancer	BI 10.1, 10.2
40.	13/05/2024	SGT	OSPE-2 Urine dip stick	BI 11.21

41.	14/05/2024	SGT	OSPE-2 Urine dip stick	BI 11.21
42.	17/05/2024	Lecture	Mineral metabolism	BI 6.9, 6.10
43.	17/05/2024	SGT	OSPE -3 Hay's sulfur test	BI 11.4, 11.21
44.	17/05/2024	SGT	OSPE -3 Hay's sulfur test	BI 11.4, 11.21
45.	23/05/2024	Lecture	Nutrition & energy	BI 8.1,8.2
46.	27/05/2024	SGT	OSPE-4 Jaffe's Creatinine picrate test	BI 11.3, 11.4
47.	28/05/2024	SGT	OSPE-4 Jaffe's Creatinine picrate test	BI 11.3, 11.4
48.	29/05/2024	SGT	OSPE-4 Jaffe's Creatinine picrate test	BI 11.3, 11.4
49.	30/05/2024	Lecture	Free radicals & antioxidants	BI 7.6,7.7
50.	03/06/2024	SGT	Von Gierke's decease Protein energy malnutrition Regulation, function and deficiency of iron Conjugation in detoxification Mechanism of action of group I hormones Multiple myeloma Balanced diet	BI 3.4, 3.8 BI 8.2 BI 6.9 BI 7.5 BI 5.2 BI 8.3
51.	04/06/2024	SGT	Von Gierke's decease Protein energy malnutrition Regulation, function and deficiency of iron Conjugation in detoxification Mechanism of action of group I hormones Multiple myeloma Balanced diet	BI 3.4, 3.8 BI 8.2 BI 6.9 BI 7.5 BI 5.2 BI 8.3
52.	05/06/2024	SGT	Von Gierke's decease Protein energy malnutrition Regulation, function and deficiency of iron Conjugation in detoxification Mechanism of action of group I hormones Multiple myeloma Balanced diet	BI 3.4, 3.8 BI 8.2 BI 6.9 BI 7.5 BI 5.2 BI 8.3
53.	13/06/2024	SGT	Wilson's disease Sickle cell anemia Structure & functions of collagen One carbon metabolism Pre analytical factors in sample collection Secondary messengers	BI 6.10 BI 6.12 BI 9.1 BI 6.5 BI 11.16, 11.19
54.	14/06/2024	SGT	Wilson's disease Sickle cell anemia Structure & functions of collagen One carbon metabolism Pre analytical factors in sample collection Secondary messengers	BI 6.10 BI 6.12 BI 9.1 BI 6.5 BI 11.16, 11.19

55.	14/06/2024	SGT	Wilson's disease Sickle cell anemia Structure & functions of collagen One carbon metabolism Pre analytical factors in sample collection Secondary messengers	BI 6.10 BI 6.12 BI 9.1 BI 6.5 BI 11.16, 11.19
56.	08/06/2024	SDL	Revision :Fat soluble vitamins	BI6.5
57.	10/06/2024	SGT	Log book assessment	
58.	13/06/2024	SDL	Revision :Adrenal function tests	BI 6.13-6.15, 11.17
59.	20/06/2024	3 rd Internal Assessment Examination	Molecular biology & techniques, Fat soluble & water soluble vitamins, Mineral metabolism, Integration of metabolism, Acid-base balance, Water & electrolyte balance, Organ function tests(LFT,RFT,TFT,CFT,AFT), Extra cellular matrix, Mechanism of hormone action, Lipid peroxidation & anti oxidants, Abnormal hemoglobins, Oncogenes, tumor markers, Immunology	BI6.1, 6.5, 6.9, 6.10, 7.4, 6.7, 6.8, 9.1,9.2, 10.1, 10.2, 10.3, 6.13-6.15, 11.17, 8.1,8.2
60.	29/06/2024	Lecture	Revision :Nutrition & energy	BI 8.2,8.3
61.	01/07/2024	SGT	CSF analysis biochemical parameters reference interval	BI 11.15
62.	02/07/2024	SGT	OSPE -1 Glucometer	BI 11.21
63.	03/07/2024	SGT	OSPE -1 Glucometer	BI 11.21
64.	06/07/2024	Lecture	Thyroid function test	BI 6.13-6.15, 11.17
65.	08/07/2024	SGT	OSPE-2 Urine dip stick	BI 11.21
66.	09/07/2024	SGT	OSPE-2 Urine dip stick	BI 11.21
67.	12/07/2024	SGT	OSPE -3 Hay's sulfur test	BI 11.4, 11.21
68.	15/07/2024	2 nd Re-test	Molecular biology & techniques, Fat soluble & water soluble vitamins, Mineral metabolism, Integration of metabolism, Acid-base balance, Water & electrolyte balance, Organ function tests(LFT,RFT,TFT,CFT,AFT), Extra cellular matrix, Mechanism of hormone action, Lipid peroxidation & anti oxidants, Abnormal hemoglobins, Oncogenes, tumor markers, Immunology	BI6.1, 6.5, 6.9, 6.10, 7.4, 6.7, 6.8, 9.1,9.2, 10.1, 10.2, 10.3, 6.13-6.15, 11.17, 8.1,8.2



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