

K V G MEDICAL COLLEGE, SULLIA

Department of Biochemistry

MBBS Phase I: CBME (RS4) Theory & Practical Teaching Schedule for November 2023 to October 2024

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Professor

Sl No	Date	Teaching Method	Topic	Competency No
1.	02/11/2023	SGT	Blood sample collection & preservation	BI 11.16, 11.19
2.	07/11/2023	SGT	Urine sample collection and preservation	BI 11.16
3.	08/11/2023	SGT	Urine sample collection and preservation	BI 11.16
4.	09/11/2023	SGT	Biomedical waste management	BI 11.1
5.	10/11/2023	SGT	Biomedical waste management	BI 11.1
6.	10/11/2023	SGT	Biomedical waste management	BI 11.1
7.	15/11/2023	Lecture	Enzymes general aspects	BI 2.1, 2.3, 2.4, 2.5, 2.6, 2.7
8.	16/11/2023	Lecture	Enzymes general aspects	BI 2.1, 2.3, 2.4, 2.5, 2.6, 2.7
9.	16/11/2023	SGT	ECE-1 phlebotomy	BI 11.16, 11.19
10.	17/11/2023	Lecture	Enzymes general aspects	BI 2.1, 2.3, 2.4, 2.5, 2.6, 2.7
11.	17/11/2023	SGT	ECE-2 Phlebotomy	BI 11.16, 11.19
12.	18/11/2023	Lecture	Enzymes general aspects	BI 2.1, 2.3, 2.4, 2.5, 2.6, 2.7
13.	20/11/2023	SGT	Urine analysis instruction	BI 11.3, 11.4
14.	21/11/2023	SGT	Urine analysis instruction	BI 11.3, 11.4
15.	21/11/2023	SGT	Urine analysis instruction	BI 11.3, 11.4
16.	22/11/2023	SGT	Urine analysis instruction	BI 11.3, 11.4
17.	24/11/2023	SGT	Inorganic constituents in urine	BI 11.3, 11.4
18.	27/11/2023	SGT	Organic constituents in urine	BI 11.3, 11.4
19.	28/11/2023	SGT	Organic constituents in urine	BI 11.3, 11.4
20.	29/11/2023	SGT	Organic constituents in urine	BI 11.3, 11.4
21.	29/11/2023	Lecture	Digestion & absorption of protein	BI 11.3, 11.4
22.	29/11/2023	Lecture	Organic constituents in urine	BI 11.3, 11.4
23.	30/11/2023	Lecture	Digestion & absorption of lipids	BI 4.2, 4.3, 4.4, 4.6
24.	02/12/2024	SDL	Glycoside & its importance, lungs surfactant	BI 6.13, 6.14, 6.15, 11.17
25.	04/12/2024	SDL	Marker enzymes of subcellular organelle	BI 2.1, 2.3 to 2.7
26.	04/12/2023	Lecture	Carbohydrate metabolism	BI 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.9
27.	05/12/2024	SGT	Urine analysis -normal	BI 11.3, 11.4
28.	06/12/2023	Lecture	Carbohydrate metabolism	BI 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.9
29.	06/12/2024	SGT	Urine analysis -normal	BI 11.3, 11.4

30.	07/12/2024	SGT	Urine analysis -normal	BI 11.3, 11.4
31.	07/12/2023	Lecture	Carbohydrate metabolism	BI 3.2, 3.3, 3.4, 3.5,3.6, 3.7, 3.9
32.	08/12/2023	Lecture	Carbohydrate metabolism	BI 3.2, 3.3, 3.4, 3.5,3.6, 3.7, 3.9
33.	08/12/2024	SGT	Analysis of abnormal constituents in urine	BI 11.4, 11.20
34.	08/12/2024	SGT	Analysis of abnormal constituents in urine	BI 11.4, 11.20
35.	09/12/2023	Lecture	Carbohydrate metabolism	BI 3.2, 3.3, 3.4, 3.5,3.6, 3.7, 3.9
36.	11/12/2024	SGT	Analysis of abnormal constituents in urine	BI 11.4, 11.20
37.	13/12/2023	Lecture	Carbohydrate metabolism	BI 3.2, 3.3, 3.4, 3.5,3.6, 3.7, 3.9
38.	15/12/2024	SGT	Abnormal constituents in urine-Repeat	BI 11.4, 11.20
39.	18/12/2024	SGT	Abnormal constituents in urine-Repeat	BI 11.4, 11.20
40.	18/12/2024	SGT	Identification of unknown abnormal constituents in urine and normal urine analysis	BI 11.3, BI 11.4, 11.20
41.	19/12/2024	SGT	Identification of unknown abnormal constituents in urine and normal urine analysis	BI 11.3, BI 11.4, 11.20
42.	20/12/2024	SGT	Identification of unknown abnormal constituents in urine and normal urine analysis	BI 11.3, BI 11.4, 11.20
43.	29/12/2024	SGT	Group activity on carbohydrate metabolism	BI 3.2 to 3.9
44.	01/01/2024	SGT	Colorimetry	BI 11.2, BI 11.6, BI 11.9
45.	03/01/2024	SGT	Colorimetry	BI 11.2, BI 11.6, BI 11.9
46.	08/01/2024	SGT	Glucose estimation by GOD-POD - Practical	BI 11.21, BI 3.10
47.	10/01/2024	Lecture	Protein Metabolism	BI 5.3, BI 5.4, BI 5.5, BI 11.17
48.	12/01/2024	SGT	Glucose estimation by GOD-POD – repeat	BI 11.21, BI 3.10
49.	13/01/2024	Lecture	Protein Metabolism	BI 5.3, BI 5.4, BI 5.5, BI 11.17
50.	18/01/2024	Lecture	Lipid metabolism	BI 4.2, BI 4.3, BI 4.4, BI 4.6
51.	18/01/2024	SGT	Biological important nucleotides Structure & functions of DNA Types & functions of RNA Von gierke's disease Galactesemia	BI 17.1, BI 17.1, BI 17.1, BI 3.2, BI 3.3, BI 3.4, BI 3.5, BI 3.6, BI 3.7, BI 3.9, BI 3.2, BI 3.3, BI 3.4, BI 3.5, BI 3.6, BI 3.7, BI 3.9

52.	19/01/2024	Lecture	Lipid metabolism	BI 4.2, BI 4.3, BI 4.4, BI 4.6
53.	20/01/2024	Lecture	Lipid metabolism	BI 4.2, BI 4.3, BI 4.4, BI 4.6
54.	31/01/2024	SGT	Estimation of Albumin by BCG method	BI 11.8, BI 11.21
55.	01/02/2024	SGT	Estimation of urea by urease -GLDH method- Instructions	BI 11.21
56.	02/02/2024	Lecture	Purine, pyrimidine metabolism	BI 6.2, BI 6.3, BI 6.4
57.	03/02/2024	Lecture	Purine, pyrimidine metabolism	BI 6.2, BI 6.3, BI 6.4
58.	02/02/2024	SGT	Estimation of urea by urease -GLDH method- Instructions	BI 11.21
59.	06/02/2024	SGT	Estimation of urea by urease -GLDH method	BI 11.21
60.	07/02/2024	Lecture	Biological oxidation	BI 6.6
61.	09/02/2024	Lecture	Biological oxidation	BI 6.6
62.	10/02/2024	Lecture	Porphyrimns & heme metabolism	BI 6.1, BI 3.8, BI 4.5, BI 4.7, BI 3.10, BI 11.17
63.	13/02/2024	SGT	Serum Creatinine estimation	BI 11.7, BI 11.21
64.	14/02/2024	Lecture	Porphyrimns & heme metabolism	BI 6.1, BI 3.8, BI 4.5, BI 4.7, BI 3.10, BI 11.17
65.	15/02/2024	Lecture	Heme metabolism	BI 6.11, BI 6.12, BI 5.2, BI 11.17
66.	21/02/2024	SGT	Serum creatinine estimation -repeat & Creatinine clearance	BI 11.7, BI 11.21
67.	26/02/2024	SGT	ECE-3 Inborn errors of nucleotide metabolism	BI 6.2, BI 6.3, BI 6.4
68.	27/02/2024	SGT	ECE-3 Inborn errors of nucleotide metabolism	BI 6.2, BI 6.3, BI 6.4
69.	28/02/2024	SGT	ECE-3 Inborn errors of nucleotide metabolism	BI 6.2, BI 6.3, BI 6.4
70.	04/03/2024		Uric acid estimation by uriease method	BI 6.2, BI 6.3, BI 6.4
71.	09/03/2024	Lecture	Fat soluble vitamins	BI 6.5
72.	11/03/2024	SGT	ECE- 4 Inborn errors of protein metabolism	BI 6.2, BI 6.3, BI 6.4
73.	21/03/2024	SGT	Cholesterol estimation	BI 11.9
74.	23/03/2024	Lecture	Water soluble vitamins	BI 6.5
75.	25/03/2024	SGT	Cholesterol estimation - Practicals	BI 11.9
76.	26/03/2024	SGT	Cholesterol estimation - Practicals	BI 11.9
77.	27/03/2024	SGT	Cholesterol estimation - Practicals	BI 11.9

78.	01/04/2024	SGT	Estimation of serum AST by IFCC method	BI 11.13
79.	02/04/2024	SGT	Estimation of serum AST by IFCC method	BI 11.13
80.	03/04/2024	SGT	Estimation of serum AST by IFCC method	BI 11.13
81.	13/04/2024	Lecture	Integration of metabolism	BI6.1, BI3.8, BI4.5, BI4.7, BI3.10, BI11.17
82.	17/04/2024	SDL	Integration of metabolism	BI6.1, BI3.8, BI4.5, BI4.7, BI3.10, BI11.17
83.	18/04/2024	SGT	Estimation of calcium by arsenazo method	BI11.11
84.	22/04/2024	SGT	Point mutation Human Genome Project Antivitamins & its application Cell cycle DNA probes Blotting techniques	BI 7.1, BI 7.2, BI 7.3, BI 9.3, BI 7.1, BI 7.2, BI 7.3, BI 9.3, BI 6.5, BI 7.1, BI 7.2, BI 7.3, BI 9.3, BI 7.1, BI 7.2, BI 7.3, BI 9.3, BI 7.4
85.	23/04/2024	SGT	Point mutation Human Genome Project Antivitamins & its application Cell cycle DNA probes Blotting techniques	BI 7.1, BI 7.2, BI 7.3, BI 9.3 BI 7.1, BI 7.2, BI 7.3, BI 9.3 BI 6.5 BI 7.1, BI 7.2, BI 7.3, BI 9.3 BI 7.1, BI 7.2, BI 7.3, BI 7.4
86.	24/04/2024	SGT	Point mutation Human Genome Project Antivitamins & its application Cell cycle DNA probes Blotting techniques	BI 7.1, BI 7.2, BI 7.3, BI 9.3 BI 7.1, BI 7.2, BI 7.3, BI 9.3 BI 6.5 BI 7.1, BI 7.2, BI 7.3, BI 9.3 BI 7.1, BI 7.2, BI 7.3, BI 9.3 BI 7.4
87.	27/04/2024	Lecture	Mineral Metabolism	BI6.9, BI6.10
88.	29/04/2024	SGT	Record correction	
89.	30/04/2024	SGT	Estimation of inorganic phosphate by phosphomolybdate UV method	BI 11.11
90.	02/05/2024	SGT	CSF analysis biochemical parameters reference interval	BI 11.15
91.	03/05/2024	SGT	CSF analysis biochemical parameters reference interval	BI 11.15

92.	06/05/2024	SGT	OSPE -1	BI 11.21
93.	07/05/2024	SGT	Glucometer	BI 11.21
94.	13/05/2024	SGT	OSPE-2 Urine dip stick	BI 11.21
95.	14/05/2024	SGT	OSPE-2 Urine dip stick	BI 11.21
96.	15/05/2024	SGT	OSPE-2 Urine dip stick	BI 11.21
97.	16/05/2024	SGT	OSPE -3 Hay's sulfur test	BI 11.4, 11.21
98.	17/05/2024	SGT	OSPE -3 Hay's sulfur test	BI 11.4, 11.21
99.	17/05/2024	SGT	OSPE -3 Hay's sulfur test	BI 11.4, 11.21
100.	18/05/2024	Lecture	Mineral metabolism	BI 6.9, 6.10
101.	22/05/2024	5 th formative assessment	Molecular biology- techniques, Fat soluble vitamins, Water soluble vitamins, Mineral metabolism (macro minerals), Integration of metabolism,	BI 6.1, 6.5, 6.9, 6.10, 7.4
102.	24/05/2024	Lecture	Nutrition & energy	BI 8.2,8.3
103.	25/05/2024	Lecture	Detoxification	BI 7.5
104.	27/05/2024	SGT	OSPE-4 Jaffe's Creatinine picrate test	BI 11.3, 11.4
105.	28/05/2024	SGT	OSPE-4 Jaffe's Creatinine picrate test	BI 11.3, 11.4
106.	29/05/2024	SGT	OSPE-4 Jaffe's Creatinine picrate test	BI 11.3, 11.4
107.	03/06/2024	Seminar	Von Gierke's disease 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

108.	04/06/2024	Seminar	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
109.	05/06/2024	Seminar	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
110.	07/06/2024	Lecture	Revision :Fat soluble vitamins	BI6.5
111.	14/06/2024	Lecture	Revision :Mineral Metabolism	BI 6.9, 6.10
112.	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
113.	27/06/2024	Lecture	Revision :Extracellular matrix	BI 9.1,9.2
114.	28/06/2024	Lecture	Revision :Nutrition & energy	BI 8.2,8.3
115.	01/07/2024		CSF analysis biochemical parameters reference interval	BI 11.15
116.	02/07/2024	SGT	OSPE :Glucometer	BI 11.21
117.	03/07/2024	SGT	OSPE :Glucometer	BI 11.21
118.	04/07/2024	Lecture	Extracellular matrix	BI 9.1,9.2

119.	10/07/2024	1 st 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
120.	12/07/2024	SGT	OSPE -3 Hay's sulfur test	BI 11.4, 11.21
121.	13/07/2024	Lecture	Detoxification	BI 7.5
122.	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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