

**OM SAKTHI**  
**MELMARUVATHUR ADHIPARASAKTHI INSTITUTE OF MEDICAL SCIENCE & RESEARCH**  
**DEPARTMENT OF BIOCHEMISTRY**  
**1<sup>ST</sup> MBBS -2016-17 BATCH OF TEACHING SCHEDULE MARCH-2017**

THEORY				1. PRACTICAL AND 2. TUTORIAL			
S.NO	DATE & DAY	TIME	TOPIC TO BE COVERED	S.NO	DATE & DAY	TIME	TOPIC TO BE COVERED
1	02.03.2017 Thursday	9.30AM- 10.30AM	HEME SYNTHESIS –Biosynthesis of Heme, Disorders associated - Porphyrin. Dr.K.Gunanithi	1	01.03.2017 Wednesday	1.30PM- 3.30PM	1. BS+BP (Bile Salt and Pile Protein) - Dr.K.Gunanithi, Dr.S.Saleem Basha, Mr.K.P.Shivagovindan, Dr.N.Haribabu, Dr.S.Sakthi Ganavel. 2. TEST & ASG: - Miscellaneous, Protein metabolism, ammonia metabolism. Dr.D.Sultan Sheriff, Dr.S.Sakthi Dasan
2	03.03.2017 Friday	9.30AM- 10.30AM	HEME BREAK DOWN: - Catabolism of Heme, Disorders associated – congenital Hyper bilirubinemias. Dr.K.Gunanithi	2	02.03.2017 Thursday	1.30PM- 3.30PM	1. BS+BP (Bile Salt and Pile Protein)- Dr.K.Gunanithi, Dr.S.Saleem Basha, Dr.N.Haribabu, Dr.S.Sakthi Ganavel. 2. TEST & ASG: - Miscellaneous, Protein metabolism, ammonia metabolism. Dr.D.Sultan Sheriff, Dr.S.Sakthi Dasan
3	06.03.2017 Monday	3.30PM- 4.30PM	JAUNDICE TYPES: - Biochemical basis - approach to diagnosis - jaundice. Dr.D.Sultan Sheriff	3	06.03.2017 Monday	1.30PM- 3.30PM	1. UNKNOWN ABNORMAL – ALL FACULTIES 2. EICOSANOIDS: - Therapeutic use of Prostaglandin, and Chart Discussion- Dr.D.Sultan Sheriff, Dr.S.Sakthi Dasan

4	07.03.2017 Tuesday	8.30AM- 9.30AM	<b>HEMOGLOBIN:-</b> structure of hemoglobin, Oxygen dissociation curve, importance of 2, 3, BPG. Dr.D.Sultan Sheriff	4	07.03.2017 Tuesday	1.30PM- 3.30PM	1. UNKNOWN ABNORMAL – ALL FACULTIES 2. EICOSANOIDS: - Therapeutic use of Prostaglandin, and Chart Discussion- Dr.D.Sultan Sheriff, Dr.S.Sakthi Dasan
5	09.03.2017 Thursday	9.30AM- 10.30AM	<b>HEMOGLOBIN: -</b> Hb Variants, Thalassemia and sickle cell anemia. Dr.D.Sultan Sheriff	5	08.03.2017 Wednesday	1.30PM- 3.30PM	1. UNKNOWN ABNORMAL – ALL FACULTIES 2. EICOSANOIDS: - Therapeutic use of Prostaglandin, and Chart Discussion- Dr.D.Sultan Sheriff, Dr.S.Sakthi Dasan
6	10.03.2017 Friday	9.30AM- 10.30AM	<b>PLASMA PROTEINS: -</b> Plasma proteins, Acute Phase Proteins: - Significance and disorders - Associated. Dr.K.Gunanithi	6	09.03.2017 Thursday	1.30PM- 3.30PM	1. UNKNOWN ABNORMAL – ALL FACULTIES 2. EICOSANOIDS: - Therapeutic use of Prostaglandin, and Chart Discussion- Dr.D.Sultan Sheriff, Dr.S.Sakthi Dasan
7	11.03.2017 Saturday	8.30AM- 9.30AM	<b>IMMUNOCHEMISTRY: -</b> Antigen, antibody, response, Immunity type and Immunoglobulin, Multiple myeloma, BJP, Hyper gamma, Globulinemia. Dr.S.Saleem Basha	7	13.03.2017 Monday	1.30PM- 3.30PM	1. COLORIMETER – Dr.S.Saleem Basha, Dr.M.Saravana Kumar, Mr.K.P.Shivagovindan, Dr.S.Sakthi Ganavel 2. Ammonia Metabolism, Urea cycle and Chart discussion- Dr.K.Gunanithi, Dr.S.Sakthi Dasan
8	13.03.2017 Monday	3.30PM- 4.30PM	<b>IMMUNOCHEMISTRY: -</b> complement system, Disorders – Immunodeficiency and importance of cytokines, lymphokines. Dr.S.Saleem Basha	8	14.03.2017 Tuesday	1.30PM- 3.30PM	1. COLORIMETER – Dr.S.Saleem Basha, Dr.M.Saravana Kumar, Dr.K.P.Shivagovindan, Dr.S.Sakthi Ganavel 2. Ammonia Metabolism, Urea cycle and Chart discussion- Dr.K.Gunanithi, Dr.S.Sakthi Dasan

9	14.03.2017 Tuesday	8.30PM- 9.30PM	<b>ACID BASE BALANCE:</b> - Buffers, normal regulations, Respiratory and renal mechanisms and ABG –normal vapres, interpretation. Dr.S.Sakthi Dasan	9	15.03.2017 Wednesday	1.30PM- 3.30PM	1. <b>COLORIMETER</b> – Dr.S.Saleem Basha 2. <b>Ammonia Metabolism, Urea cycle and Chart discussion-</b> Dr.K.Gunanithi, Dr.S.Sakthi Dasan
10	15.03.2017	10.30AM- 12.30PM	<b>INTEGRATED TEACHING DEPT. OF ANATOMY, PHYSIOLOGY, BIOCHEMISTRY.</b> Dr.D. Sultan Sheriff	10	16.03.2017 Thursday	1.30PM- 3.30PM	1. <b>COLORIMETER</b> – Dr.S.Saleem Basha 2. <b>Ammonia Metabolism, Urea cycle and Chart discussion-</b> Dr.K.Gunanithi, Dr.S.Sakthi Dasan
10	16.03.2017 Thursday	9.30AM- 10.30AM	<b>ACID BASE DISORDERS:-</b> Acidosis – V <sub>s</sub> Alkalosis, Respiratory V <sub>s</sub> Metaboli and ABG – abnormal vapres interpretation. Dr.K.Gunanithi	11	20.03.2017 Monday	1.30PM- 3.30PM	1. <b>Estimation of Glucose by GOD – POD Method</b> – Dr.K.Gunanithi, Dr.D.Sultan Sheriff, Dr.N.Hari Babu, Dr.M.Saravana Kumar 2. <b>Metabolism of glycine and chart discussion</b> – Dr.K.Gunanithi, Dr.D.Sultan Sheriff
11	17.03.2017 Friday	9.30AM- 10.30AM	<b>VITAMINS:</b> - General significance , Fat soluble vitamins in general and Vitamin "A" . Dr.S.Saleem Basha	12	21.03.2017 Tuesday	1.30PM- 3.30PM	1. <b>Estimation of Glucose by GOD – POD Method</b> – Dr.K.Gunanithi, Dr.D.Sultan Sheriff, Dr.N.Hari Babu, Dr.M.Saravana Kumar 2. <b>Metabolism of glycine and chart discussion</b> – Dr.K.Gunanithi, Dr.D.Sultan Sheriff

12	18.03.2017 Saturday	8.30AM- 9.30AM	Vitamin "D". Dr.D.Sultan Sheriff	13	22.03.2017 Wednesday	1.30PM- 3.30PM	1. Estimation of Glucose by GOD – POD Method – Dr.K.Gunanithi, Dr.D.Sultan Sheriff, Dr.N.Hari Babu, Dr.M.Saravana Kumar 2. Metabolism of glycine and Chart discussion – Dr.K.Gunanithi, Dr.D.Sultan Sheriff
13	18.03.2017 Saturday	1.30PM- 3.30PM	CLASS TEST- ALL FACULTIES	14	23.03.2017 Thursday	1.30PM- 3.30PM	1. Estimation of Glucose by GOD – POD Method – Dr.K.Gunanithi, Dr.D.Sultan Sheriff, Dr.N.Hari Babu, Dr.M.Saravana Kumar 2. Metabolism of glycine and Chart Discussion – Dr.K.Gunanithi, Dr.D.Sultan Sheriff
14	20.03.2017 Monday	3.30PM- 4.30PM	Vitamin- " E" and " K". Dr.S.Sakthi Dasan	15	27.03.2017 Monday	1.30PM- 3.30PM	1. Estimation of Glucose by GOD – POD Method – All Faculties 2. Metabolism of Aromatic amino acid and Chart Discussion – Dr.K.Gunanithi, Dr.D.Sultan Sheriff
15	21.03.2017 Tuesday	8.30AM- 9.30AM	WATER SOLUBLE VITAMINS: - General Vitamin "B <sub>1</sub> " and Vitamin "B <sub>2</sub> ". Dr.D.Sultan Sheriff	16	28.03.2017 Tuesday	1.30PM- 3.30PM	1. Estimation of Glucose by GOD – POD Method – All Faculties 2. Metabolism of Aromatic amino acid and Chart Discussion – Dr.K.Gunanithi, Dr.D.Sultan Sheriff

16	23.03.2017 Thursday	9.30AM- 10.30AM	NIACIN AND PYRIDOXINE. Dr.D.Sulta Sheriff	17	29.03.2017 Wednesday	1.30PM- 3.30PM	1. Estimation of Glucose by GOD – POD Method – All Faculties. 2. Metabolism of Aromatic amino acid and Chart Discussion – Dr.K.Gunanithi, Dr.D.Sultan Sheriff
17	24.03.2017 Friday	9.30AM- 10.30AM	Biotin and Pantothenic. Dr.S.Saleem Basha	18	30.0.2017 Thursday	1.30PM- 3.30PM	1. Estimation of Glucose by GOD – POD Method – All Faculties 2. Metabolism of Aromatic amino acid and Chart Discussion – Dr.K.Gunanithi, Dr.D.Sultan Sheriff
18	25.03.2017 Saturday	8.30AM- 9.30AM	Vitamin B <sub>12</sub> and Folic acid. Dr.D.Sultan Sheriff	<b>Teaching Faculties:</b> <ol style="list-style-type: none"> <li>1. Dr.D.Sultan Sheriff</li> <li>2. Dr.D.S.Sakthi Dasan</li> <li>3. Dr.K.Gunanithi</li> <li>4. Mr.S.Saleem Basha</li> <li>5. Mr.K.P.Shiva Govindan</li> <li>6. Dr.N.Hari Babu</li> <li>7. Dr.M.Saravana Kumar</li> <li>8. Dr.S.Sakthi Gnanavel</li> </ol>			
19	27.03.2017 Monday	3.30PM- 4.30PM	VITAMIN "C". Dr.S.Sakthi Dasan				
20	28.03.2017 Tuesday	8.30AM- 9.30AM	MINERAL METABOLISM: - General and calcium – phosphorus and disorders associated. Dr.D.Sultan Sheriff				
21	30.03.2017 Thursday	9.30AM- 10.30AM	IRON METABOLISM: - Metabolism Hemochromatosis, Copper metabolism – Wilsons disease. Dr.K.Guanithi				
22	31.03.2017 Friday	9.30AM- 10.30AM	Iodine, Zinc, Florien and other Minerals. Mr.K.P.Shiva Govindan				

  
 Professor & Head  
 Department of Biochemistry  
 MELMARUVATHUR ADHIPARASAKTHI  
 INSTITUTE OF MEDICAL SCIENCES AND RESEARCH  
 MELMARUVATHUR - 603 319.