

**Om Sakthi**  
**Melmaruvathur Adhiparasakthi Institute of Medical Science & Research**  
**Department of Biochemistry**  
**1<sup>st</sup> MBBS -2016-17 Batch of Teaching schedule JANUARY-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	02.01.2017 Monday	3.30PM- 4.30PM	HMP Shunt (Oxidative – Non oxidative phase). Dr.S.SakthiDasan	1	02.01.2017 Monday	1.30PM- 3.30PM	1. Unknown <b>Protein sample</b> . All Faculties. 2. <b>Review and test</b> - Glycogen Storage disease. <b>Dr.K.GNT</b> / Dr.MSK
2	03.01.2017 Tuesday	8.30AM- 9.30AM	Uronic acid pathway. Dr.K.Gunanithi	2	03.01.2017 Tuesday	1.30PM- 3.30PM	1. Unknown <b>Protein sample</b> . All Faculties. 2. <b>Review and test</b> - Glycogen Storage disease. <b>Dr.K.GNT</b> / Dr.MSK
3	05.01.2016 Thursday	9.30AM- 10.30AM	Metabolism of fructose and Galactose. Dr.D.Sultan Sheriff	3	04.01.2017 Wednesday	1.30PM- 3.30PM	1. Unknown <b>Protein sample</b> . All Faculties. 2. <b>Review and test</b> - Glycogen Storage disease. <b>Dr.K.GNT</b> / Dr.MSK
4	06.01.2016 Friday	9.30AM- 10.30AM	<b>Other minor pathway:</b> - Polyol pathway, Essential pentosuria&alcohol metabolism. Mr.K.P.ShivaGovindan	4	05.01.2016 Thursday	1.30PM- 3.30PM	1. Unknown <b>Protein sample</b> . All Faculties. 2. <b>Review and test</b> - Glycogen Storage disease. <b>Dr.K.GNT</b> / Dr.MSK
5	09.01.2016 Monday	3.30PM- 4 30PM	Blood sugar regulation (Hormone and organ). Dr.D.Sultan Sheriff	5	09.01.2017 Monday	1.30PM- 3.30PM	1. <b>NPN Substance</b> . <b>DR.K.GNT</b> , Mr.SSB, Mr.KPS, Dr.NHB, Dr.MSK. 2. <b>Review and test:</b> TCA cycle including the shuttle system. <b>Dr.DSS</b> , Dr.RVL,
6	10.01.2016 Tuesday	8.30AM- 9.30AM	<b>DM:-</b> World Health Organization Criteria of DM, HbA1c test, Complication DM. Dr.S.SakthiDasan.	6	10.01.2017 Tuesday	1.30PM- 3.30PM	1. <b>NPN Substance</b> . <b>DR.K.GNT</b> , Mr.SSB, Mr.KPS, Dr.NHB, Dr.MSK. 2. <b>Review and test:</b> TCA cycle including the shuttle system. <b>Dr.DSS</b> , Dr.RVL

7	12.01.2016 Thursday	9.30AM- 10.30AM	<b>Glucose Tolerance Test:</b> - OGTT and IGT, Renal and Alimentary glycosuria. Dr.K.Gunanithi	7	11.01.2017 Wednesday	1.30PM- 3.30PM	1. <b>NPN Substance.</b> <b>DR.K.GNT</b> , Mr.SSB, Mr.KPS, Dr.NHB, Dr.MSK. 2. <b>Review and test:</b> TCA cycle including the shuttle system. <b>Dr.DSS</b> ,Dr.SSD, Dr.RVL.	
8	13.01.2016 Friday	9.30AM- 9.30AM	<b>Lipid Metabolism:</b> - Digestion and absorption of lipid.Steatorrhea. Dr.K.Gunanith	8	12.01.2017 Thursday	1.30PM- 3.30PM	1. <b>NPN Substance.</b> <b>DR.K.GNT</b> , Mr.SSB, Mr.KPS, Dr.NHB, Dr.MSK. 2. <b>Review and test:</b> TCA cycle including the shuttle system. <b>Dr.DSS</b> , Dr.SSD, Dr.RVL.	
9	14.01.2016 Saturday	<b>PONGAL HOLIDAY</b>		9	17.01.2017 Tuesday	1.30PM- 3.30PM	1. <b>Protein test.</b> All Faculties 2. <b>Review and test:</b> Gluconeogenesis – Cori cycle, Glucose alanine cycle: linker reaction. <b>Dr.SSD</b> , Dr.NHB	
10	16.01.2017 Monday	3.30PM- 4.30PM	<b>UZHAVAR THIRUNAAL HOLIDAY</b>		10	18.01.2017 Wednesday	1.30PM- 3.30PM	1. <b>Protein test.</b> All Faculties 2. <b>Review and test:</b> Gluconeogenesis – Cori cycle, Glucose alanine cycle: linker reaction. <b>Dr.SSD</b> , Dr.NHB
11	17.01.2016 Tuesday	8.30AM- 9.30AM	<b>Oxidation of Fatty Acid:</b> $\alpha$ -oxidation with refsum disease,zellweger syndrome, odd chain fatty acid oxidation. Mr.S.SaleemBasha	11	19.01.2017 Thursday	1.30PM- 3.30PM	1. <b>Protein test.</b> All Faculties 2. <b>Review and test:</b> Gluconeogenesis – Cori cycle, Glucose alanine cycle: linker reaction. <b>Dr.SSD</b> , Dr.NHB	
12	19.01.2017 Thursday	9.30AM- 10.30AM	B-Oxidation of fatty acid, Carnitine transport. Mr.S.SaleemBasha	12	23.01.2017 Monday	1.30PM- 3.30PM	1. <b>Normal Urine.</b> Dr.DSS, <b>Mr.SSB</b> , Dr.NHB, Dr.MKS, Dr.RVL, 2. <b>Review and test:</b> Glycogen synthesis – regulation. Dr.K.GNT, Mr.KPS	
13	20.01.2017 Friday	9.30AM- 9.30AM	Biosynthesis of fatty acid, FAS complex, transports of acetyl CoA and regulation. Mr.S.SaleemBasha	13	24.01.2017 Tuesday	1.30PM- 3.30PM	1. <b>Normal Urine.</b> Dr.DSS, <b>Mr.SSB</b> , Dr.NHB, Dr.MKS, Dr.RVL, 2. <b>Review and test:</b> Glycogen synthesis – regulation. Dr.K.GNT, Mr.KPS	

14	21.01.2017 Saturday	8.30AM- 9.30AM	<b>Metabolism of Cholesterol:</b> Bio synthesis of cholesterol importance of maintaining normal cholesterol. Dr.S.SakthiDasan.	14	25.01.2017 Wednesday	1.30PM- 3.30PM	1. <b>Normal Urine.</b> Dr.SSD, <b>Mr.SSB</b> , Dr.NHB, Dr.MKS, Dr.RVL, 2. <b>Review and test:</b> Glycogen synthesis - regulation. Dr.K.GNT, Mr.KPS
15	21.01.2017 Saturday	1.30PM- 3.30PM	<b>Class Test - Carbohydrate Metabolism</b>	15	26.01.2017 Thursday	<b>REPUBLIC DAY</b>	
16	23.01.2017 Monday	3.30PM- 4.30PM	<b>Metabolism of adipose tissue:</b> - lipogenesis and lipolysis. Dr.D.Sultan Sheriff	16	30.01.2017 Monday	1.30PM- 3.30PM	1. <b>Normal Urine.</b> Dr.SSD, Dr.K.GNT, <b>Mr.SSB</b> , Dr.NHB, Dr.RVL, 2. <b>Review and test:</b> - HMP shunt. Dr.DSS, Dr.MSK.
17	24.01.2017 Tuesday	8.30AM- 9.30AM	Metabolism of ketone Bodies (Ketogenesis&Ketolysis.)Mr.S.SaleemBasha	17	31.01.2017 Tuesday	1.30PM- 3.30PM	1. <b>Normal Urine.</b> Dr.SSD, Dr.GNT, <b>Mr.SSB</b> ,Dr.NHB, Dr.RVL. 2. Review and test: - HMP shunt. <b>Dr.DSS</b> , Dr.MSK
18	26.01.2017 Thursday	9.30AM- 10.30AM	<b>REPUBLIC DAY</b>	18	01.02.2017 Wednesday	1.30PM- 3.30PM	1. <b>Normal Urine.</b> Dr.SSD, Dr.K.GNT, <b>Mr.SSB</b> ,Dr.NHB,Dr.RVL, 2. Review and test: - HMP shunt. <b>Dr.DSS</b> , Dr.MSK.
19	27.01.2017 Friday	9.30AM- 10.30AM	<b>Metabolism of lipoprotein.</b> Dr.D.Sultan sheriff	19	02.02.2017 Thursday	1.30PM- 3.30PM	1. <b>Normal Urine.</b> Dr.SSD, DR.K.GNT, <b>Mr.SSB</b> , Dr.NHB, Dr.MKS, Dr.RVL, 2. Review and test: - HMP shunt. <b>Dr.DSS</b> , Dr.MSK.
20	28.01.2017 Saturday	8.30AM- 9.30AM	<b>Atherosclerosis:</b> Effect of LDL, Prevention of coronary artery disease metabolic syndrome. Dr.S.SakthiDasan	<b>Teaching Faculties:</b> 1. Dr.D.Sultan Sheriff - Dr.DSS 2. Dr.D.S.SakthiDasan - Dr.DSS 3. Dr.K.Gunanithi - Dr.K.GNT 4. Mr.S.SaleemBasha - Mr.SSB 5. Mr.K.P.ShivaGovindan - Mr.KPS 6. Dr.R.Vijaya Lakshmi - Dr.RVL 7. Dr.N.HariBabu - Dr.NHB 8. Dr.M.Saravana Kumar -Dr.MSK			
21	30.01.2017 Monday	3.30PM- 4.30PM	<b>Eicosanoids:</b> Over view pathway, Therapeutic use of prostaglandin. Dr.K.Gunanithi				
22	31.01.2017 Tuesday	8.30AM- 9.30AM	Review of Lipid Metabolism Dr.D.Sultan Sheriff				