<u>SREE NARAYANA IŃSTITUTE OF</u> <u>MEDICAL SCIENCES, CHALAKKA</u>

(for son Acoura to 1

1st MBBS 2019 Batch

CONTENTS

PHASE 1 TEACHING SCHEDULE AND SLOs (THEORY & PRACTICAL)

Month of December -2019

Dr. Aditya Krishna Das

Curriculum co-ordinator - " MBBS

30.11.2019

]	Phase 1 N	Ionthly T	ime Tabl	e - Decen	nber 2019)		
Week	Date	Day	8-9 am	9-10 am	10-11am	11-12 pm	12- 1 pm	1-2 pm	2-3 pm	3-4 pm
	01-Dec		T			Sunday				
	02-Dec	Mon		Introducti on to cardiac muscle(Le cture) PY 3.7, 5.2	Normal ca Effect of te Stannius I 3. Estimatio Protein (I 11.21	igature PY 18 n of Total DOAP) BI . Lipid r (SGD) BI		Pleura AN 24.1 Lecture TJ		num AN 1-7 DOAP
	03-Dec	Tue	Cardiac cycle (Lectures) PY 5.3	Carbohyd rate Metabolis m (Lectures) BI 3.4.	AN 25. Normal ca Effect of te Stannius I	ry System I DOAP ardiogram, mperature, igature PY 18		Lung AN 24.2-6 Lecture AP	Pleura and 24.1-4	d Lung AN DOAP

				3.5	Estimation of Total Protein (DOAP) BI 11.21. Lipid Chemistry (SGD) BI 4.1			
Week 12	04-Dec	Wed	CVS Embryolog y AN 25.2- 25.6 Lecture	Cardiac cycle (Lectures) PY 5.3	Respiratory System AN 25.1 DOAP Vagal stimulation, Refractory period PY 3.18 Estimation of Total Protein (DOAP) BI 11.21. Lipid Chemistry (SGD) BI 4.1	LUNC H BREA K	Pericardiu m AN 22.1 Lecture SV	Pleura and Lung AN 24.1-4 DOAP
	05-Dec	Thu	Introducti on to respiration (Lecture) PY 6.1	Heme Metabolis m (Lectures) BI 6.11	Vagal stimulation, Refractory period PY 3.18		contex disabilities to preven governn schemes, servi patients/pe Show respo patients wit Demonstra attitude caregivers	e the diseases in the t of the associated and discuss measures at them. Describe the ment run programs, legislations and legal ces available for ersons with disabilities. ect for the autonomy of h disabilities, or to their caregivers. te a non-discriminatory towards patients or with disabilities and a ent to provide to them

				Protein (I 11.21 Chemistry	n of Total DOAP) BI . Lipid / (SGD) BI .1		ne quality as to others.
06-Dec	Fri	Nucleotid e Metabolis m (Lectures) BI 6.3	CVS Embryolog y AN 25.2- 25.6 Lecture	Introductio n to respiration (Lecture) PY 6.1	Mechanis m of respiration (Lecture) PY 6.2		Pleura and Lung AN 24.1-4 DOAP
07-Dec	Sat	CVS Embryolog y AN 25.2- 25.6 Lecture	Mechanis m of respiration (Lecture) PY 6.2	Thoracic Vertebrae AN 22.1,2,8 SGD	Heart AN 22.1-7 DOAP	Heart 1 AN 22.1-7 Lecture TJ	Heart AN 22.1-7 DOAP
08-Dec					Sunday		
09-Dec	Mon	Iron (Lectures) BI 6.9, 6.10	Cardiac cycle(Lect ure) PY 5.3	GI Hormor Gastric testPY 4 Estima Albumin (11.8 In	function	Heart 2 AN 22.1-7 Lecture AP	Heart AN 22.1-7 DOAP
10-Dec	Tue	Cardiac muscle(Le cture)PY 3.8. 5.2, 5.4	Hemoglo bin(Lectu res) Bl 6.12	GI Hormor Gastric testPY 4 Estima Albumin (11.8 In	function	Posterior Mediastin um 1 AN 23.1-7 KJ	Heart AN 22.1-7 DOAP

Week 13	11-Dec	Wed	CVS Embryolog y AN 25.2- 25.6 Lecture	Surfactant (Lecture) PY 6.2	Revi Estima Albumin (11.8 In	ition of	LUNC H BREA K	Posterior Mediastin um 2 AN 23.1-7 SV	Posterior Mediastinum AN 23.1-7 DOAP
	12-Dec	Thu	Functional Anatomy of heart PY5.1	Nucleotid e Metabolis m (Lectures) BI 6.3	Revi Estima Albumin (<mark>sion</mark> ition of DOAP) BI ternal -		importanc fortifica additiv Describe clinico demograp	be and discuss the e and methods of food ation and effects of es and adulteration (CM5.8) the steps and perform socio-cultural and whic assessment of the family and community (CM2.1)
	13-Dec	Fri	Carbohyd rate Metabolis m (Lectures) BI 3.4, 3.5	CVS Embryolog y AN 25.2- 25.6 Lecture	Lung volume and capacities (Lecture)P Y 6.2	Cardiovas cular regulation(Lecture) PY 5.8			Radiology Surface Marking of Thorax AN 25.7-9 DOAP
	14-Dec				Se	cond Saturd	lay		
	15-Dec		I			Sunday			
	16-Dec	Mon	First Internal Assessment -Anatomy						
	17-Dec	Tue		F	First Inter	nal Asses	sment - I	Physiolog	у

Week 14	18-Dec	Wed	First Internal Assessment -Biochemistry					
	19-Dec	Thu	First Internal Assessment (Practical)-Anatomy / Physiology /					
	20-Dec	Fri	Biochemistry					
	21-Dec	Sat						
	22-Dec		Sunday					
	23-Dec	Mon	First Internal Assessment (Practical)-Anatomy / Physiology / Biochemistry					
	24-Dec	Tue	Complian ce (Lecture). PY 6.2Heme 					
	25-Dec	Wed	Christmas					
Week 15	26-Dec	Thu	Conductio n system PY 5.1,5.4Phosphor us, Sulphur, Iodine (SDL) BI 6.9, 6.10Period RevisionDescribe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community (CM2.1)					

	27-Dec	Fri	Carbohyd rate Metabolis m (Lectures) BI 3.4, 3.5	Histology Of GIT 1 AN 52.1 Lecture	Surfactant (Lecture) PY 6.2 ECG(Lec ure)PY5.			Structural organization of nervous system DOAP
	28-Dec 29-Dec	Sat	Scalp AN 27.1-2 Lecture	Cardiovas cular regulation (Lecture)P Y 5.8	Exposure Vitamins Minerals (SGD)	,		on to Head and Neck calp 27.1-2 DOAP
	30-Dec	Mon	Hemoglo bin(Lectu res) BI 6.12	Cardiac output(Lec ture) PY 5.9	Sunday Histology Of GIT 1 A 52.1 DOAP General examination Estimation of Creatinine (DOAP BI .Nucleotide Chemistry BI 6.211.21	1	Norma Verticalis & Frontalis AN 26.2 SGD	Face AN 28.1-3,6 DOAP
Week 16	31-Dec	Tue	Ventilatio n, V/P ratio, diffusion capacity of lungs. (Lecture) PY 6.2	Nucleotid e Metabolis m (Lectures) BI 6.3	Histology Of GIT 1 AN 52.1 DOAP General examination	H BREA K	Norma Lateralis & Occipitalis AN 26.2 SGD	Face AN 28.1-3,6 DOAP

	REE NAF	 RAYANA INSTI	UTE OF MEDICAL SCIENCES, CHALAKKA	
			RTMENT OF ANATOMY	
			EAR MBBS BATCH 2019	
			NG SCHEDULE FOR THE MONTH OF DECEMBER	
Date	Time	Topic	SLOs	Faculty
02-12-2019 to 05-12-2019	10-12am	Respiratory System AN 25.1 DOAP	Identify, draw and label a slide of trachea and lung	ALL
02-12-2019	1-2pm	Pleura AN 24.1 Lecture TJ	Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy Describe the plural ligaments and the blood supply, lymphatic drainage and nerve supply of pleura accurately. Anatomical basis of referred pain of the pleura, pleural tap (thoracocentesis) and clinical terminology related to pleura.	τJ
02-12-2019	2-4pm	Mediastinum AN 21.11,23.1 7 DOAP	Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy Describe & demonstrate the external appearance, relations, blood supply, nerve supply,lymphatic drainage and applied anatomy of oesophagus Describe & demonstrate origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos veins Mention the extent, branches and relations of arch of aorta	ALL

03-12-2019	1-2pm	Lung AN 24.2-6 Lecture AP	Describe the external features and relations of apex, base, borders, and surfaces of lung and side Describe the lobes and fissures of lung.and also can describe root of lung and identify structures in hilum of lung on both sides. Anatomical basis pancoast syndrome and horner's syndrome . Lobes , accessory lobes and fissures Describe, name and enumerate a bronchopulmonary segment, and bronchial tree and its parts. Describe the origin, course, relations, branches and distribution of bronchial arteries and pulmonary arteries. Describe tributaries and relations of Bronchial vains and pulmonary vains and lymphatic vessels and nodes and drainage of lung Describe the location, extent, length, course and relations, of trachea.	
04-12-2019	8-9am	CVS Embryology AN 25.2-25.6 Lecture	Describe fetal circulation and changes occurring at birth	ALL
04-12-2019	1-2pm	Pericardium AN 22.1 Lecture SV	Describe the subdivisions of pericardium accurately To name the nerve supply and arterial supply of the pericardium Define and name the pericardial sinuses and enumerate their important boundaries	AD
04-12-2019,06- 12-2019	2-4pm	Pleura and Lung AN 24.1-4 DOAP	Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy Anatomical basis of referred pain of the pleura, pleural tap (thoracocentesis) and clinical terminology related to pleura. describe the external features and relations of apex, base, borders, and surfaces of lung and side identify and describe the lobes and fissures of lung.and also can describe root of lung and identify structures in hilum of lung on both sides. Describe, name and ennumaret a bronchopulmonary segment, and bronchial tree and its parts.	All

06-12-2019, 07- 12-2019,13-12- 2019	9-10 am 8-9am	CVS Embryology AN 25.2-25.6 Lecture	Describe fetal circulation and changes occurring at birth Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula	
07-12-2019	10-12am	Thoracic Vertebrae AN 22.1,2,8 SGD	Identify and describe the salient features of sternum, typical rib, Ist rib and typical thoracic vertebra Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic vertebrae Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints	All
07-12-2019 09-12-2019 10-12-2019	02-Apr	Heart AN 22.1- 7 DOAP	Describe the subdivisions of pericardium accurately To name the nerve supply and arterial supply of the pericardium Define and name the pericardial sinuses and enumerate their important boundaries Describe the external features, surfaces, borders, apex, base (anatomical vs clinical) of the heart Describe the parts, openings and salient features of interior of right atrium Describe the interior of both ventricles	ALL
09-12-2019	1-2pm	Heart 2 AN 22.1 7 Lecture AP	Describe the origin, course and branches of right and left coronary arteries separately Describe the area of supply of left and right coronary artery Describe the salient features of atherosclerosis Describe the effects of altered blood supply to myocardium	АР

10-12-2019	1-2PM	Posterior Mediastinum 1 AN 23.1-7 KJ	Define Mediastinum,mention the boundaries &contents of each Describe the extent of oesophagus,location, constrictions,relations,blood supply,nerve supply,lymphatic drainage&applied anatomy Mention the extent, branches and relations of arch of aorta & descending thoracic aorta Describe extent,relations,tributaries of Thoracic duct &applied anatomy Describe the origin, extent, course, relations,tributaries of azygos vein & its clinical significance. Describe origin, course, extent,relations,tributaries of superior vena cava. Mention the location & extent of Thoracic sympathetic chain	τJ
11-12-2019	1-2pm	Posterior Mediastinum 1 AN 23.1-7 KJ	Define Mediastinum,mention the boundaries &contents of each Describe the extent of oesophagus,location, constrictions,relations,blood supply,nerve supply,lymphatic drainage&applied anatomy Mention the extent, branches and relations of arch of aorta & descending thoracic aorta Describe extent,relations,tributaries of Thoracic duct &applied anatomy Describe the origin, extent, course, relations,tributaries of azygos vein & its clinical significance. Describe origin, course, extent,relations,tributaries of superior vena cava. Mention the location & extent of Thoracic sympathetic chain	KJ

11-12-2019	2-4pm	Posterior Mediastinum AN 23.1-7 DOAP	Define Mediastinum,mention the boundaries &contents of each identify & Describe the extent of oesophagus,location, constrictions,relations,blood supply,nerve supply,lymphatic drainage&applied anatomy Mention the extent, branches and relations of arch of aorta & descending thoracic aorta identify & Describe extent,relations,tributaries of Thoracic duct &applied anatomy identify & Describe the origin, extent, course, relations,tributaries of azygos vein & its clinical significance. identify & Describe origin, course, extent,relations,tributaries of superior vena cava. Mention the location & extent of Thoracic sympathetic chain	All
13-12-2019	2-4pm	Radiology Surface Marking of Thorax AN 25.7- 9 DOAP	Identify structures seen on a plain x-ray chest (PA view)Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart	All
27-12-2019	9-10 am	Histology Of GIT 1 AN 52.1 Lecture	Describe the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix, Liver, Gall bladder, Pancreas & Suprarenal gland	KJ
30-12-2019 & 31-12-2019	10-12am	Histology Of GIT 1 AN 52.1 DOAP	identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix, Liver, Gall bladder, Pancreas & Suprarenal gland	All

30-12-2019 & 31-12-2019	1-2pm	Norma Verticalis & Frontalis Lateralis & OccipitalisAN 26.2 SGD	Enumerate the bones forming the norma frontalis, verticalis, occipitalis, lateralis and basalis correctly Enumerate the sutures and bones forming the sutures in the norma frontalis, verticalis, occipitalis, lateralis and basalis correctly Enumerate the bony foramina in all normas correctly Identify the bony foramina in all normas correctly Enumerate the structures passing through the foramina in all normas correctly Describe bregma, pterion, nasion and vertex in the Normas correctly) Enumerate the fontanelles and year of its closure in foetal skull correctly Enumerate the structures attached to the styloid and mastoid processes correctly	All
30-12-2019 & 31-12-2019	2-4pm	Face AN 28.1- 3,6 DOAP	List the muscles of facial expression. Describe the attachments, nerve supply & actions of the muscles facial expression in detail. Identify all the muscles of facial expression and demonstrate their attachments, nerve supply and actions in a cadaver. Describe the sensory innervation of face. Identify the sensory nerves of face in a cadaver and demonstrate their origin and areas of face supplied by them. List the arteries supplying the face. Describe the origin/formation, course, termination and branches/tributaries of facial vessels. Identify the facial vessels and demonstrate their origin, course, termination and branches/tributaries in a cadaver.	All

SreeNarayana Institute of Medical Sciences, Chalakka

Department of Physiology

2019 Reg. Batch

Theory & Practical Classes Schedule for the month of December-2019

	WEEK 12					
Date	Time	Торіс	SLO (The student should be able to)	Faculty		
	9-10am	Introduction to cardiac muscle PY 3.7, 5.2	 Structure of cardiac muscle Excitation, contraction, coupling in cardiac muscle Properties of cardiac muscle 	Dr Arun K Prakash		
02/12/19 Monday	10- 12Noon	1.Normal cardiogram, 2.Effect of temperature, 3.Stannius ligature PY3.18	 Draw and interpret amphibian cardiac experiments 	Dr Nithi Varghese Dr Jincy Joseph Dr Arun K Prakash		
	8-9M	Cardiac cycle PY5.3	1. Define cardiac cycle with duration and list the phases of cardiac cycle.	Dr Nithi Varghese		
03/12/19 Tuesday	10- 12Noon	1.Normal cardiogram, 2.Effect of temperature, 3.Stannius ligature PY3.18	 Draw and interpret amphibian cardiac experiments 	Dr Nithi Varghese Dr Jincy Joseph Dr Arun K Prakash		
04/12/19 Wednesday	9-10am	Cardiac cycle PY5.3	1. Describe the pressure and volume changes in the left and right ventricles, atria, aorta and pulmonary artery.	Dr Nithi Varghese		

		1.Vagal			Dr Ahana
	10-	stimulation, 2.Refractory	1	Draw and interpret amphibian	Salam
	12Noon	period	1.	cardiac experiments	Dr Arun
		PY3.18			K Prakash
		P 1 5.18			
		T / T / /	1.	Describe structural and functional divisions of	Dr Indira
	8-9M	Introduction to respiration	2.	respiratory tract and lungs Describe external and internal	Kumari K
		PY6.1	2	respiration	R
05/12/19			3.	List of layers of pleuraand its clinical significance.	
Thursday		1.Vagal			Dr Ahana
	10-	stimulation,			Salam
	10- 12Noon	2.Refractory period	1.	Draw and interpret amphibian cardiac experiments	Dr Arun
					K Prakash
		PY3.18			
			3.	Describe functions of upper	Dr Indira
	10-	Introduction to		respiratory tract	Kumari K
	11am	respiration PY6.1	4.	Describe the non respiratory function of lungs.	R
					K
06/12/19 Friday			1.	Describe type of expansion of thoracic cage during respiration	
	11-	Mechanics of			Dr Reena
	12noon	respiration. PY	2.	Describe the role of inspiratory and expiratory muscles during	Alexander
	12110011	6.2		quite respiration and forceful	7 Hexander
				respiration.	
			1.	Describe physiological basis for	
	0.10cm	Mechanics of		negative intrapleural pressure, its importance and its variations	Dr Reena
07/12/2019		respiration. PY 6.2		during different phases of respiration	Alexander

	WEEK 13				
Date	Time	Торіс	SLO (The student should be able to)	Faculty	
00/12/10	9-10am	Cardiac cycle PY5.3	 Describe the heart sounds – causes, character and abnormalities. 	Dr Nithi Varghese	
09/12/19 Monday 10- 12N	10- 12Noon	G I Hormones PY 4.5, Gastric function test PY 4.8	 The source of GI hormones, their regulation and functions Explain the gastric function tests 	SGD/SDL	
10/12/19	8-9M	Cardiac muscle PY 3.8, 5.2, 5.4	 Describe action potential in cardiac muscle Describe pacemaker potential 	Dr Arun K Prakash	
Tuesday 1	10- 12Noon	G I Hormones PY 4.5, Gastric function test PY 4.8	 The source of GI hormones, their regulation and functions Explain the gastric function tests 	SGD/SDL	
11/12/19 Wednesday	9-10am	Surfactant PY 6.2	1. Significance, composition and functions of surfactant	Dr Indira Kumari K R	
	10- 12Noon	Revision	Hematology and experimental Physiology		
12/12/19 Thursday	8-9M	Functional Anatomy of heart PY5.1	 Describe the location of the heart, the chambers and vessels opening into and leaving it , septa, valves, layers and covering of the heart. Describe the nerve supply of the heart 	Dr Arun K Prakash	
	10- 12Noon	Revision	Hematology and experimental Physiology		
13/12/19 Friday	10- 11am	Lung volumes and capacities. PY 6.2	 Describe the various standard lung volumes and capacities giving normal values Describe anatomical and physiological dead space and mention the method of measurement of dead space 	Dr Reena Alexander	

1	11-	Cardiovascular	1.	Describe the local cardiovascular	Dr Nithi
1	l2noon	regulation PY5.8		regulatory mechanisms	Varghese

	WEEK 15					
Date	Time	Торіс	SLO (The student should be able to)	Faculty		
24/12/19 Tuesday	8-9M	Compliance .PY 6.2	1. Describe static and dynamic lung compliance	Dr Reena Alexander		
	10- 12Noon	Revision	Question paper discussion			
26/12/19 Thursday	8-9M	Conduction system PY 5.1,5.4	 Describe the pace maker tissue -SA node, AV node (location and functions) and what is ectopic pacemaker. Describe the parts of the conducting system of the heart Explain how the cardiac impulse is generated in the SA node and why SA node is the pacemaker of the heart. Describe the spread of cardiac impulse from SA node to the ventricles, A-V nodal delay and conduction blocks. 	Dr Arun K Prakash		
	10- 12Noon	Revision	Question paper discussion			
27/12/19 Friday	10- 11am	Surfactant	 Describe factors influencing pulmonary surface tension List applications of Law of Laplace Describe infant respiratory distress syndrome 	Dr Indira Kumari K R		
	11-	ECG(Lecture) PY5.5	1. Describe the various leads used to record ECG.	Dr Arun K Prakash		

	12noon		2.	Describe the cardiac vector	
28/12/19 Saturday	9-10am	Cardiovascular regulation PY5.8	1.	Describe the systemic cardiovascular regulatory mechanisms	Dr Nithi Varghese

			WEEK 16	
Date	Time	Торіс	SLO (The student should be able to)	Faculty
30/12/19 Monday	9-10am	Cardiac output PY 5.9	 Describe the regulation of cardiac output including heterometric and homometric regulation 	Dr Nithi Varghese
	10- 12Noon	General Examination PY 11.13	 Perform General examination of a subject 	Dr Reena Alexander
31/12/19 Tuesday	8-9M	Ventilation, V/P ratio, diffusion capacity of lungs. PY 6.2	 Give the normal ventilation / perfusion ratio of the lungs and conditions in which it varies Describe the changes in ventilation / perfusion ratio at various level of lungs in upright position 	Dr Reena Alexander
	10- 12Noon	General Examination PY 11.13	 Perform General examination of a subject 	Dr Reena Alexander

SRE	SREE NARAYANA INSTITUTE OF MEDICAL SCIENCES, CHALAKKA					
		DEPARTMENT OF Ist YEAR MBBS				
	THEOR		ULE FOR DECEMBER 2019			
DATE	TIME	TOPIC	SLO	FACULTY		
02.12.2019	8.00-9.00 am		Describe the sources, RDA, absorption and transportation of Iron.	Dr.Desigamani		
		Enumerate and describe the disorders associated with mineral metabolism BI 6.10	Describe the systemic and cellular Iron homeostasis.			

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		carbohydrate metabolism (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). BI 3.4		
03.12.2019	9.00-10.00 am	Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders BI 3.5	Discuss the regulation of gluconeogenesis	Dr.Anju

05.12.2019	9.00-10.00 am	Describe the functions of Haem in the body and describe the processes involved in its metabolism and describe the porphyrin metabolism BI 6.11	Discuss about Heme structure and its biomedical importance. Describe the Synthesis and regulation of heme. Discuss about porphyrias	Dr.Sneha
06.12.2019	8.00-9.00 am	Describe the common disorders associated with nucleotide metabolism BI 6.3	Describe Purine salvage pathway Describe Significance of purine salvage pathway Describe Inhibitors of purine synthesis Describe Catabolism of purine	Dr.Asha

09.12.2019	8.00-9.00 am		Describe, how imbalances in iron homeostasis contribute various diseases.	Dr.Desigamani
10.12.2019	9.00-10.00 am	Describe the different types of haemoglobin and its derivatives found in the body and their physiological/pathol ogical relevance BI 6.12	Narrate the importance of structure of Haemoglobin Classify various types of haemoglobin and their significance. Delineate the binding mechanism of oxygen to haemoglobin	Dr.Prabhakaran

12.12.2019	9.00-10.00 am	Describe the common disorders associated with nucleotide metabolism BI 6.3	Discuss the normal level of Uric Acid and its clinical significance Describe Gout - Classifications, Clinical Features and Treatment	Dr.Asha
13.12.2019	8.00-9.00 am	Define and differentiate the pathways of carbohydrate metabolism (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). BI 3.4	Describe glycogenesis	Dr.Anju

		Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders BI 3.5	Describe the significance of glycogenesis	
16.12.2019 To 23.12.2019		First Inte	ernal Examination	
24.12.2019	9.00-10.00 am	Describe the functions of Haem in the body and describe the processes involved in its metabolism and describe the porphyrin metabolism BI 6.11	Describe types of Porphyrias and enzyme defects. Discuss the manifestations and investigations in porphyrias	Dr.Sneha

26.12.2019	9.00-10.00 am	minerals in the body, their metabolism and homeostasis BI 6.9 Enumerate and describe the	Describe the homeostasis and biochemical functions of trace elements sulphur and iodine. Describe the homeostasis and biochemical functions of phosphorous and asssociated disorders.	Dr.Desigamani
27 12 2010	8.00-9.00	Define and differentiate the pathways of carbohydrate metabolism (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). BI 3.4	Describe glycogenolysis Describe the significance of glycogenolysis	Dr Aniu

21.12.2013	am	Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders BI 3.5	Discuss the regulation of glycogenesis and glycogenolysis Discuss the disorder of glycogenesis	יוש. און איז
28.12.2019	10.00-12.00 am	Early Clinical Exposure Vitamins, Minerals (SGD) deficiency		Dr.Asha, Dr.Sneha, Dr. Anju
			Explain the transport mechanism of haemoglobin and factors affecting the transport of hemoglobin	
30.12.2019	8.00-9.00 am	Describe the different types of haemoglobin and its derivatives found in the body and their physiological/pathol ogical relevance BI		Dr.Prabhakaran

		6.12	Categonize the different types of hemoglobinopathies and thalessemia.	
31.12.2019	9.00-10.00 am	Describe the common disorders associated with nucleotide metabolism BI 6.3	Discuss about Lesch Nyhan syndrome, Its biochemical basis and Clinical Features. Discuss about ADA deficiency, Purine nucleosides, phosphorylase deficiency, Xanthomas	Dr.Asha
Dr.Asha Au Professor & Department		istry		

THEORY	SREE NARAYANA INSTITUTE OF MEDICAL SCIENCES, CHALAKKA DEPARTMENT OF COMMUNITY MEDICINE THEORY AND PRACTICAL TEACHING SCHEDULE FOR THE MONTH OF DECEMBER 2019 (2019 MBBS Batch)								
Date. 0	Time	Topic/Competency	SLO	Faculty					
	1-1:30pm	Describe the diseases in the context of the associated disabilities and discuss measures to prevent them Describe the government run programs, schemes, legislations and legal services available for patients/persons with disabilities	 Define disability Differentiate between Impairment, Disability and Handicap Enlist the types of disability List the preventive measures and measures taken by the government for disability limitation 	КК					

05-12-2019		Show respect for the autonomy of patients with disabilities, or to their caregivers	1. Enlist the various problems faced by the persons with intellectual disability 2. Discuss the various methods adopted for disability limitation	Faculty- Snehade epam BUDS school
	2-4pm	Demonstrate a non- discriminatory attitude towards patients or caregivers with disabilities and a commitment to provide to them care of same quality as to others	Extempore on the theme-The future is accessible (International day of Persons with disability	ATS

1-2	pm	 Define and discuss the effects of food addictives Define and describe the methods of food fortification 	VC
2-3	Describe and discuss the importance and methods of food fortification and effects of additives and adulteration (CM5.8)	 Define food adulteration Enlist the common food adulterants List the public health acts related to prevention of food adulteration 	KN

		Describe the steps and perform clinico socio- cultural and demographic assessment of the individual, family and community (CM2.1)	Discuss the performa related to clinico socio-cultural and demographic assessment of the individual, family and community	AR
19-12-2019	1-4pm		Assessment (Practical)- nysiology / Biochemistry	

26-12-2019 1-4pm	Describe the steps and perform clinico socio- cultural and demographic assessment of the individual, family and community (CM2.1)	Demonstrate the clinico socio-cultural and demographic assessment of the individual, family and community (Field visit)	ATS/NG /Interns
Prof. Dr. Alexander Joh	n		
of Community Medicin	е		

Week	Date	Day	8-9 am	9-10 am	10-11am	11-12 pm	12- 1 pm	1-2 pm	2-3 pm	3-4 pm
	01-Dec					Sunday				
		ж		Introducti on to		ry System 1 DOAP				
	02-Dec	Mon		cardiac muscle(Le cture) PY 3.7, 5.2	Normal cardiogram, Effect of temperature, Stannius ligature PY 3.18 Estimation of Total Protein (DOAP) BI 11.21. Lipid Chemistry (SGD) BI 4.1			Pleura AN 24.1 Lecture TJ	Mediastinum AN	
			7							
				Carbohyd	AN 25.	ory System 1 DOAP				
	03-Dec	Tue	Cardiac cycle (Lectures) PY 5.3	rate Metabolis m (Lectures	Normal c Effect of to Stannius	ardiogram, emperature, ligature PY .18		Lung AN 24.2-6 Lecture AP		d Lung AN DOAP

A				3.5	Estimation of Total Protein (DOAP) BI 11.21. Lipid Chemistry (SGD) BI 4.1					
Week 12	04-Dec	Wed	CVS Embryolog y AN 25.2- 25.6 Lecture	Cardiac cycle (Lectures) PY 5.3	Respiratory System AN 25.1 DOAP Vagal stimulation, Refractory period PY 3.18 Estimation of Total Protein (DOAP) BI 11.21. Lipid Chemistry (SGD) BI 4.1	LUNC H BREA K	Pericardiu m AN 22.1 Lecture SV	Pleura and Lung AN 24.1-4 DOAP	•	
	05-Dec	Thu	Introducti on to respiration (Lecture) PY 6.1	Heme Metabolis m (Lectures) BI 6.11			contex disabilities to preve govern schemes serv patients/p Show resp patients wi Demonstra attitude caregiver	e the diseases in the to of the associated and discuss measures nt them. Describe the ment run programs, legislations and legal vices available for ersons with disabilities. bect for the autonomy of ith disabilities, or to their caregivers. ate a non-discriminatory to towards patients or s with disabilities and a pent to provide to them		

A.					Protein (I 11.21 Chemistry	n of Total DOAP) BI . Lipid / (SGD) BI .1		ne quality as to others.
	06-Dec	Fri	Nucleotid e Metabolis m (Lectures) BI 6.3	CVS Embryolog y AN 25.2- 25.6 Lecture		Mechanis	Ъ.	Pleura and Lung AN 24.1-4 DOAP
	07-Dec	Sat	CVS Embryolog y AN 25.2- 25.6 Lecture	Mechanis m of respiration (Lecture) PY 6.2	Thoracic Vertebrae AN 22.1,2,8 SGD	Heart AN 22.1-7 DOAP	Heart 1 AN 22.1-7 Lecture TJ	Heart AN 22.1-7 DOAP
	08-Dec					Sunday		
	09-Dec	Mon	Iron (Lectures) BI 6.9, 6.10	Cardiac cycle(Lect ure) PY 5.3	GI Hormor Gastric testPY 4 Estima Albumin (11.8 In	v Revision nes PY 4.5, function 4.8(SGD) ation of (DOAP) BI nternal - ry Viva	Heart 2 AN 22.1-7 Lecture AP	Heart AN 22.1-7 DOAP
	10-Dec	Tue	Cardiac muscle(Le cture)PY 3.8. 5.2, 5.4	Hemoglo bin(Lectu res) Bl 6.12	GI Hormor Gastric testPY 4 Estima Albumin (11.8 In	v Revision nes PY 4.5, function 4.8(SGD) ation of (DOAP) BI nternal - ry Viva	Posterior Mediastin um 1 AN 23.1-7 KJ	Heart AN 22.1-7 DOAP

week 13	11-Dec	Wed	CVS Embryolog y AN 25.2- 25.6 Lecture	Surfactant (Lecture) PY 6.2	Revision F Estimation of F Albumin (DOAP) BI F 11.8 Internal - F Theory Viva F Histology Revision F		LUNC H BREA K	Posterior Mediastin um 2 AN 23.1-7 SV	Posterior Mediastinum AN 23.1-7 DOAP	
	12-Dec	Thu	Functional Anatomy of heart PY5.1	Nucleotid e Metabolis m (Lectures) BI 6.3				Describe and discuss the importance and methods of food fortification and effects of additives and adulteration (CM5.8) Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community (CM2.1)		
	13-Dec	Fri	Carbohyd rate Metabolis m (Lectures) BI 3.4, 3.5	CVS Embryolog y AN 25.2- 25.6	Lung	Cardiovas cular regulation(Lecture) PY 5.8			Radiology Surface Marking of Thorax AN 25.7-9 DOAP	
	14-Dec		Second Saturday							
	15-Dec	any and the second s	Sunday							
	16-Dec	Mon		First Internal Assessment -Anatomy						
	17-Dec	Tue		First Internal Assessment - Physiology						

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Week 14	18-Dec	Wed		First Internal Assessment -Biochemistry					
	19-Dec	Thu	Fire	First Internal Assessment (Practical)-Anatomy / Physiology / Biochemistry					
	20-Dec	Fri							
	21-Dec	Sat				1			
	22-Dec				Sunday				
	23-Dec	Mon	Fir	First Internal Assessment (Practical)-Anatomy / Physiology / Biochemistry					
	24-Dec	Tue	Complian ce (Lecture). PY 6.2	Heme Metabolis m (Lectures) BI 6.11	Revision Estimation of Urea (DOAP) BI 11.21	LUNC H BREA K	SDL		
	25-Dec	Wed		Christmas					
Week 15	26-Dec	Thù	Conductio n system PY 5.1,5.4	Phosphor us, Sulphur, Iodine (SDL) BI 6.9, 6.10	Revision Estimation of Urea (DOAP) BI 11.21		Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community (CM2.1)		

	27-Dec	Fri	Carbohyd rate Metabolis m (Lectures) BI 3.4, 3.5	Histology Of GIT 1 AN 52.1 Lecture	Surfactant (Lecture) PY 6.2 ECG(Lect ure)PY5.5	LUNC H BREA K	Structural organi of nervous sys DOAP		
	28-Dec	Sat	Scalp AN 27.1-2 Lecture	Cardiovas cular regulation (Lecture)P Y 5.8	Exposure Vitamins, Minerals (SGD)	2	Introduction to Head and N and Scalp 27.1-2 DOAF		
	29-Dec				Sunday				
	30-Dec	Mon	Hemoglo bin(Lectu res) BI 6.12	Cardiac	Histology Of GIT 1 AN 52.1 DOAP General examination Estimation of Creatinine (DOAP) BI .Nucleotide Chemistry BI 6.211.21	<u> </u>	Norma Verticalis & Frontalis AN 26.2 SGD	-3,6	p *
Week 16	31-Dec	Tue	ratio,	Nucleotid e Metabolis m (Lectures) BI 6.3	Histology Of GIT 1 AN 52.1 DOAP General examination	2 2 2	Norma Lateralis & Occipitalis AN 26.2 SGD	-3,6	

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5	REE NAF		TUTE OF MEDICAL SCIENCES, CHALAKKA	
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THEODY	P. DD A CT		EAR MBBS BATCH 2019 SCHEDULE FOR THE MONTH OF DECEMBER	2019
Date	Time	Topic	SLOs	Faculty
Date	Time			
02-12-2019 to 05-12-2019	10-12am	Respiratory System AN 25.1 DOAP	Identify, draw and label a slide of trachea and lung	ALL
02-12-2019	1-2pm	Pleura AN 24.1 Lecture TJ	Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy Describe the plural ligaments and the blood supply, lymphatic drainage and nerve supply of pleura accurately. Anatomical basis of referred pain of the pleura, pleural tap (thoracocentesis) and clinical terminology related to pleura.	TJ
02-12-2019	2-4pm	Mediastinum AN 21.11,23.1 7 DOAP	Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy Describe & demonstrate the external appearance, relations, blood supply, nerve supply,lymphatic drainage and applied anatomy of oesophagus Describe & demonstrate origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos veins Mention the extent, branches and relations of arch of aorta	ALL

03-12-2019	1-2pm	Lung AN 24.2-6 Lecture AP	Describe the external features and relations of apex, base, borders, and surfaces of lung and side Describe the lobes and fissures of lung.and also can describe root of lung and identify structures in hilum of lung on both sides. Anatomical basis pancoast syndrome and horner's syndrome. Lobes , accessory lobes and fissures Describe, name and enumerate a bronchopulmonary segment, and bronchial tree and its parts. Describe the origin, course, relations, branches and	
			distribution of bronchial arteries and pulmonary arteries. Describe tributaries and relations of Bronchial vains and pulmonary vains and lymphatic vessels and nodes and drainage of lung Describe the location, extent, length, course and relations, of trachea.	
04-12-2019	8-9am	CVS Embryology AN 25.2-25.6 Lecture	Describe fetal circulation and changes occurring at birth Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula	ALL
04-12-2019	1-2pm	Pericardium AN 22.1 Lecture SV	Describe the subdivisions of pericardium accurately To name the nerve supply and arterial supply of the pericardium Define and name the pericardial sinuses and enumerate their important boundaries	AD
04-12-2019,06- 12-2019	2-4pm	Pleura and Lung AN 24.1-4 DOAP	Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy Anatomical basis of referred pain of the pleura, pleural tap (thoracocentesis) and clinical terminology related to pleura. describe the external features and relations of apex, base, borders, and surfaces of lung and side identify and describe the lobes and fissures of lung.and also can describe root of lung and identify structures in hilum of lung on both sides. Describe, name and ennumaret a bronchopulmonary segment, and bronchial tree and its parts.	All
				L

06-12-2019, 07- 12-2019,13-12- 2019	9-10 am 8-9am	0.02	Describe fetal circulation and changes occurring at birth Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula	
07-12-2019	10-12am	Thoracic Vertebrae AN 22.1,2,8 SGD	Identify and describe the salient features of sternum, typical rib, Ist rib and typical thoracic vertebra Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic vertebrae Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints	All
07-12-2019 09-12-2019 10-12-2019	02-Apr	Heart AN 22.1- 7 DOAP	Describe the subdivisions of pericardium accurately To name the nerve supply and arterial supply of the pericardium Define and name the pericardial sinuses and enumerate their important boundaries Describe the external features, surfaces, borders, apex, base (anatomical vs clinical) of the heart Describe the parts, openings and salient features of interior of right atrium Describe the interior of both ventricles	ALL
09-12-2019	1-2pm	Heart 2 AN 22.1 7 Lecture AP	Describe the origin, course and branches of right and left coronary arteries separately Describe the area of supply of left and right coronary artery Describe the salient features of atherosclerosis Describe the effects of altered blood supply to myocardium	AP

Γ				Define Mediastinum, mention the boundaries	
	17			&contents of each	
				Describe the extent of oesophagus, location,	
				constrictions, relations, blood supply, nerve	
				supply,lymphatic drainage&applied anatomy	
		2		Mention the extent, branches and relations of arch	
				of aorta &	
	10-12-2019	.8		descending thoracic aorta	
				Describe extent, relations, tributaries of Thoracic duct	
			Posterior		
		1-2PM	Mediastinum 1	&applied anatomy	TJ
			AN 23.1-7 KJ	Describe the origin, extent, course,	с ж
				relations, tributaries of azygos vein & its clinical	
				significance.	с. ж. т.
		1 - 1 2		Describe origin, course, extent, relations, tributaries	
	а		1	of superior vena cava.	
		21		Mention the location & extent of Thoracic	
		X		sympathetic chain	
	8				
		4.		Define Mediastinum, mention the boundaries	
	122			&contents of each	
				Describe the extent of oesophagus, location,	
				constrictions, relations, blood supply, nerve	
	14 M			supply,lymphatic drainage&applied anatomy	
				Mention the extent, branches and relations of arch	
				of aorta &	
				descending thoracic aorta	3 18
			Posterior	Describe extent, relations, tributaries of Thoracic duct	
	11-12-2019	1-2pm	Mediastinum 1	&applied anatomy	KJ 🗤
			AN 23.1-7 KJ	Describe the origin, extent, course,	
				relations, tributaries of azygos vein & its clinical	
				significance.	
		j j	\$	Describe origin, course, extent, relations, tributaries	8
		Ĭ,		of superior vena cava.	. ···
				Mention the location & extent of Thoracic	
		5		sympathetic chain	
		1			
		1	1		

11-12-2019	2-4pm	Posterior Mediastinum AN 23.1-7 DOAP	Define Mediastinum, mention the boundaries &contents of each identify & Describe the extent of oesophagus, location, constrictions, relations, blood supply, nerve supply, lymphatic drainage&applied anatomy Mention the extent, branches and relations of arch of aorta & descending thoracic aorta identify & Describe extent, relations, tributaries of Thoracic duct & applied anatomy identify & Describe the origin, extent, course, relations, tributaries of azygos vein & its clinical significance. identify & Describe origin, course,	All
			extent, relations, tributaries of superior vena cava. Mention the location & extent of Thoracic sympathetic chain	
13-12-2019	2-4pm	Radiology Surface Marking of Thorax AN 25.7- 9 DOAP	Identify structures seen on a plain x-ray chest (PA view)Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart	All
27-12-2019	9-10 am	Histology Of GIT 1 AN 52.1 Lecture	Describe the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix, Liver, Gall bladder, Pancreas & Suprarenal gland	KJ
30-12-2019 & 31-12-2019	10-12am	Histology Of GIT 1 AN 52.1 DOAP	identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix, Liver, Gall bladder, Pancreas & Suprarenal gland	All

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SreeNarayana Institute of Medical Sciences, Chalakka

Department of Physiology

2019 Reg. Batch

Theory & Practical Classes Schedule for the month of December-2019

			WEEK 12	
Date	Time	Topic	SLO (The student should be able to)	Faculty
02/12/19 Monday	9-10am	Introduction to cardiac muscle PY 3.7, 5.2	 Structure of cardiac muscle Excitation, contraction, coupling in cardiac muscle Properties of cardiac muscle 	Dr Arun K Prakasł
	10- 12Noon	1.Normal cardiogram, 2.Effect of temperature, 3.Stannius ligature PY3.18	1. Draw and interpret amphibian cardiac experiments	Dr Nithi Varghese Dr Jincy Joseph Dr Arun K Prakasł
03/12/19 Tuesday	8-9M	Cardiac cycle PY5.3	1. Define cardiac cycle with duration and list the phases of cardiac cycle.	Dr Nithi Varghese
	10- 12Noon	1.Normal cardiogram, 2.Effect of temperature, 3.Stannius ligature PY3.18	1. Draw and interpret amphibian cardiac experiments	Dr Nithi Varghese Dr Jincy Joseph Dr Arun K Prakasł
04/12/19 Wednesday	9-10am	Cardiac cycle PY5.3	1. Describe the pressure and volume changes in the left and right ventricles, atria, aorta and pulmonary artery.	Dr Nithi Varghese

					Dr Ahana
	10- 12Noon	1.Vagal stimulation, 2.Refractory period	1.	Draw and interpret amphibian cardiac experiments	Salam Dr Arun K Prakash
		PY3.18			
05/12/19 Thursday	8-9M	Introduction to respiration PY6.1		Describe structural and functional divisions of respiratory tract and lungs Describe external and internal respiration List of layers of pleuraand its clinical significance.	Dr Indira Kumari K R
	10- 12Noon	1.Vagal stimulation, 2.Refractory period PY3.18	1.	Draw and interpret amphibian cardiac experiments	Dr Ahana Salam Dr Arun K Prakash
- - -	10- 11am	Introduction to respiration PY6.1	3.	Describe functions of upper respiratory tract Describe the non respiratory function of lungs.	Dr Indira Kumari K R
06/12/19 Friday	11- 12noon	Mechanics of respiration. PY 6.2		Describe type of expansion of thoracic cage during respiration Describe the role of inspiratory and expiratory muscles during quite respiration and forceful respiration.	Dr Reena Alexande
07/12/2019	9-10am	Mechanics of respiration. PY 6.2	1.	Describe physiological basis for negative intrapleural pressure, its importance and its variations during different phases of respiration	Dr Reena Alexande

			WEEK 13	1
Date	Time	Topic	SLO (The student should be able to)	Faculty
09/12/19 Monday	9-10am	Cardiac cycle PY5.3	 Describe the heart sounds – causes, character and abnormalities. 	Dr Nithi Varghese
	10- 12Noon	G I Hormones PY 4.5, Gastric function test PY 4.8	 The source of GI hormones, their regulation and functions Explain the gastric function tests 	SGD/SDL
10/12/19 Tuesday	8-9M	Cardiac muscle PY 3.8, 5.2, 5.4	 Describe action potential in cardiac muscle Describe pacemaker potential 	Dr Arun K Prakash
	10- 12Noon	G I Hormones PY 4.5, Gastric function test PY 4.8	 The source of GI hormones, their regulation and functions Explain the gastric function tests 	SGD/SDL
11/12/19 Wednesday	9-10am	Surfactant PY 6.2	1. Significance, composition and functions of surfactant	Dr Indira Kumari K R
	10- 12Noon	Revision	Hematology and experimental Physiology	
12/12/19 Thursday	8-9M	Functional Anatomy of heart PY5.1	 Describe the location of the heart,the chambers and vessels opening into and leaving it ,septa, valves, layers and covering of the heart. Describe the nerve supply of the heart 	Dr Arun K Prakash
	10- 12Noon	Revision	Hematology and experimental Physiology	
13/12/19 Friday	10- 11am	Lung volumes and capacities. PY 6.2	 Describe the various standard lung volumes and capacities giving normal values Describe anatomical and physiological dead space and mention the method of measurement of dead space 	Dr Reena Alexander

· .		1	D it the level pardiovascular	Dr Nithi	
11-	Cardiovascular	1	. Describe the local cardiovascular	DITUTI	
		1	regulatory mechanisms	Variance	
12-22	regulation		regulator j' meenament	Varghese	
12noon	PY5.8		2		

			WEEK 15	
Date	Time	Topic	SLO (The student should be able to)	Faculty
24/12/19	8-9M	Compliance .PY 6.2	1. Describe static and dynamic lung compliance	Dr Reena Alexander
Tuesday	10- 12Noon	Revision	Question paper discussion	
26/12/19 Thursday			 Describe the pace maker tissue -SA node, AV node (location and functions) and what is ectopic pacemaker. Describe the parts of the 	
	8-9M	Conduction system PY 5.1,5.4	 a. Explain how the cardiac impulse is generated in the SA node and why SA node is the pacemaker of the heart. 	Dr Arun K Prakasl
			4. Describe the spread of cardiac impulse from SA node to the ventricles, A-V nodal delay and conduction blocks.	
	10- 12Noon	Revision	Question paper discussion	
27/12/19 Friday	10- 11am	Surfactant	 Describe factors influencing pulmonary surface tension List applications of Law of Laplace Describe infant respiratory distress syndrome 	Dr Indira Kumari I R
	11-	ECG(Lecture) PY5.5	1. Describe the various leads used to record ECG.	Dr Arun K Prakas

	12noon		2.	Describe the cardiac vector	
28/12/19 Saturday	9-10am	Cardiovascular regulation PY5.8		Describe the systemic cardiovascular regulatory mechanisms	Dr Nithi Varghese

	WEEK 16							
Date	Time	Topic	SLO (The student should be able to)	Faculty				
30/12/19 Monday	9-10am	Cardiac output PY 5.9	 Describe the regulation of cardiac output including heterometric and homometric regulation 	Dr Nithi Varghese				
Monday	10 12Noon	General Examination PY 11.13	1. Perform General examination of a subject	Dr Reena Alexander				
31/12/19 Tuesday	8-9M	Ventilation, V/P ratio, diffusion capacity of lungs. PY 6.2	 Give the normal ventilation / perfusion ratio of the lungs and conditions in which it varies Describe the changes in ventilation / perfusion ratio at various level of lungs in upright position 	Dr Reena Alexander				
	10- 12Noon	General Examination PY 11.13	 Perform General examination of a subject 	Dr Reena Alexander				

SREE	NARAYAN I	A INSTITUTE OF M DEPARTMENT OF F Ist YEAR MBBS F	EDICAL SCIENCES, CHA BIOCHEMISTRY BATCH 2019	LAKKA
. Nie wie operatie werden die de staar weer weer weer weer ook een de staar weer weer weer weer weer weer weer	THEORY	TEACHING SCHEDU	JLE FOR DECEMBER 2019	
DATE	TIME	TOPIC	SLO	FACULTY
		Describe the functions of various minerals in the body, their metabolism and homeostasis Bl 6.9	Describe the sources, RDA, absorption and transportation of Iron.	
02.12.2019	8.00-9.00 am		Describe the systemic	Dr.Desigamani
		Enumerate and describe the disorders associated with mineral metabolism BI 6.10	and cellular Iron d homeostasis.	
	- Josepher - Standard			

			Discuss the significance of gluconeogenesis	
03.12.2019	9.00-10.00 am			Dr.Anju
	ain	Describe and discuss the regulation, functions and integration of carbohydrate along with associated diseases/disorders B 3.5	Discuss the regulation of gluconeogenesis	

C	95.12.2019	9.00-10.00 am	Describe the functions of Haem in the body and describe the	Discuss about Heme structure and its biomedical importance. Describe the Synthesis and regulation of heme. Discuss about porphyrias	Dr.Sneha
	06.12.2019	8.00-9.00 am	Describe the common disorders associated with nucleotide metabolism BI 6.3	Describe Purine salvage pathway Describe Significance of purine salvage pathway Describe Inhibitors of purine synthesis Describe Catabolism of purine	Dr.Asha

09.12.2019	8.00-9.00	Describe the	Describe, how	Dr.Desigamani
1			imbalances in iron	
	um	minerals in the body.	homeostasis contribute	
		their metabolism	various diseases.	
		and homeostasis Bl	1	•
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			Narrate the importance	
			of structure of	
	a		Haemoglobin	
				-
		,		
			Classify various types of	
		Describe the		
		different types of	haemoglobin and their	
		haemoglobin and its	significance.	
	9.00-10.00	derivatives found in		Dr.Prabhakaran
10.12.2019	am	the body and their		Difficulture
a		physiological/pathol		
		ogical relevance Bl		
		6.12	Delineate the binding	1
		4	mechanism of oxygen to	
· . 8	*	j.	haemoglobin	·
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12.12.2019	9.00-10.00 am		Discuss the normal level of Uric Acid and its clinical significance Describe Gout - Classifications, Clinical Features and Treatment	Dr.Asha
13.12.201	9 8.00-9.00 am	Define and differentiate the pathways of carbohydrate metabolism (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). BI 3.4	Describe glycogenesis	Dr.Anju

16.12.2019 To 23.12.2019	th fu in ca w d	e regulation, of inctions and itegration of arbohydrate along rith associated iseases/disorders BI .5	escribe the significance glycogenesis	
24.12.2019	9 00-10 00		Describe types of Porphyrias and enzyme defects. Discuss the manifestations and investigations in porphyrias	Dr.Sneha

		Describe the	Describe the homeostasis	
	4	functions of various	and biochemical	
8 0		minerals in the body,		
		their metabolism		
12			elements sulphur and	
	5 m .	and homeostasis BI	iodine.	
		6.9		
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26.12.2	9.00-10.00)		Dr Docigon
20.12.2	am	Enumerate and	Describe the homeostasis	Dr.Desigan
· . · ·	·	describe the	and biochemical	
		disorders associated	functions of phosphorous	
		with mineral	and asssociated	
		metabolism BI 6.10	disorders.	
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	10			
			Describe glycogenolysis	
		1		
	*			
	2	Define and		
	1	differentiate the		
		pathways of		
		carbohydrate		
		metabolism	×	
ĸ.				
		(glycolysis,		
12		gluconeogenesis,		84 1
	10 M	glycogen		
		metabolism, HMP	Describe the significance	
		shunt). Bl 3.4	of glycogenolysis	
			5. 5.7665cilo1303	
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it.	8.00-9.00			
	010 8.00-9.00			

21.12.2013	am	Describe and discuss the regulation, functions and integration of	Discuss the regulation of glycogenesis and glycogenolysis	и . Апји
		carbohydrate along with associated diseases/disorders BI 3.5	Discuss the disorder of glycogenesis	
28.12.2019	10.00-12.00 am	Early Clinical Exposure Vitamins, Minerals (SGD) deficiency		Dr.Asha, Dr.Sneha, Dr. Anju
	and the second		Explain the transport mechanism of haemoglobin and factors affecting the transport of hemoglobin	
30.12.2019	8.00-9.00 am	Describe the different types of haemoglobin and its derivatives found in the body and their physiological/pathol ogical relevance BI		Dr.Prabhakaran

	6		Categonize the different types of hemoglobinopathies and thalessemia.	
31.12.201	19 9.00-10.00 am	Describe the common disorders associated with nucleotide metabolism BI 6.3	Discuss about Lesch Nyhan syndrome, Its biochemical basis and Clinical Features. Discuss about ADA deficiency, Puríne nucleosides, phosphorylase deficiency, Xanthomas	Dr.Asha

Dr.Asha Augusthy Professor & HOD Department of Biochemistry

SREE NARAYANA INSTITUTE OF MEDICAL SCIENCES, CHALAKKA
DEPARTMENT OF COMMUNITY MEDICINE
THEORY AND PRACTICAL TEACHING SCHEDULE FOR THE MONTH OF DECEMBER 2019
(2019 MBBS Batch)

Date.	Time	Topic/Competency	SLO	Faculty
)		1		
	1-1:30pm	Describe the diseases in the context of the associated disabilities and discuss measures to prevent them Describe the government run programs, schemes, legislations and lega services available for patients/persons with disabilities		KK

	1:30-2pm	Show respect for the autonomy of patients with disabilities, or to their caregivers	 Enlist the various problems faced by the persons with intellectual disability Discuss the various methods adopted for disability limitation 	Faculty- Snehade epam BUDS school
05-12-2019			ĥ	r. F
	4			
	4			
2	c r v c q o	attitude towards batients or caregivers with disabilities and a commitment to provide to them care of same quality as to	Extempore on the theme-The future is accessible (International day of Persons with disability	ATS
	O	thers		

	1-2pm		 Define and discuss the effects of food addictives Define and describe the methods of food fortification 	VC
	~	Describe and discuss		
	2-3pm	the importance and methods of food fortification and effects of additives and adulteration (CM5.8)	 Define food adulteration Enlist the common food adulterants List the public health acts related to prevention of food adulteration 	KN
12-12-2019	- Anna			

	3-4pm	Describe the steps and perform clinico socio- cultural and demographic assessment of the individual, family and community (CM2.1)	Discuss the performa related to clinico socio-cultural and demographic assessment of the individual, family and community	AR
19-12-2019	1-4pm		Assessment (Practical)- hysiology / Biochemistry	

and a

26-12-2019 1-4	×	perform cl cultural an demograpl assessmen	inico socio- d hic t of the family and	and dem	ographic asses al, family and c	ATS/NG /Interns
		7				

Prof. Dr. Alexander John

: of Community Medicine