

**Phase 1 Monthly Time Table - January 2020**

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
<b>Week 16</b>	1-Jan	Wed	Scalp lecture TJ AN 27.1,2	Surfactant PY 6.2 (Lectures)	Histology Of GIT 2 AN 52.1 DOAP	Velocity of nerve conduction	LUNCH BREAK	Norma Frontalis SGD AN 26.2	Scalp DOAP 27.1,2	
					Estimation of Creatinine (DOAP) BI 11.21. Nucleotide Chemistry (SGD) BI 6.2					
	2-Jan	Thu			Mannam Jayanthi					
	3-Jan	Fri	Sodium, Potassium (Lectures) BI 6.7	Histology GIT 3 Lecture KJ AN 52.1	Compliance PY6.2 (Lectures)	Cardiac output PY 5.9 (Lectures)			Scalp DOAP 27.1,2	
	4-Jan	Sat	Embryology - Pharyngeal arches Lecture AD AN 43.4	ECG - Waves abnormalities and conduction disorders PY5.6 (Lectures)	Scalp DOAP 27.1,2		LUNCH BREAK	Posterior Triangle AN lecture AP AN 29.1-4	Face DOAP AN 28.1-8	
	5-Jan	Sunday								
	6-Jan	Mon	Glycogen Metabolism (Lectures) BI 3.4	Heart rate PY 5.9 (Lectures)	GIT 3 DOAP AN 52.1			Norma Lateralis SGD AN 26.1	Face DOAP AN 28.1-8	
		General Examination (Revision)								
	7-Jan	Tue	Ventilation perfusion ratio PY6.2 (Lectures)	Plasma Protein (Lectures) BI 5.2	GIT 3 DOAP AN 52.1			Posterior Triangle DOAP AN 29.1-4		
		General Examination (Revision)								
			Muscles of back/Suboccipital	Pulmonary	GIT 3 DOAP AN 52.1					
		Examination of BP PY 5.12								

Week 17	8-Jan	Wed	back/suboccipital triangle Lecture TJ AN 42.2,3	circulation PY 5.10(Lectures)	Estimation of Creatinine (DOAP) BI 11.7. Heme Metabolism (SGD) BI 6.11	LUNCH BREAK	Posterior Triangle DOAP AN 29.1-4		
	9-Jan	Thu	ECG – Myocardial infarction & Electrolyte imbalance PY5.6 (Lectures)	Structure of DNA (Lectures) BI 7.1	GIT 3 DOAP AN 52.1		Estimation of Creatinine (DOAP) BI 11.7. Heme Metabolism (SGD) BI 6.11	Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community (CM2.1)	
					Examination of BP PY 5.12				
	10-Jan	Fri	Hemoglobin - Normal & Abnormal Hemoglobin (Lectures) BI 6.12	Embryology - Aortic arch arteries Lecture AD AN 25.6	Pulmonary circulation PY 5.10 (Revision)		pulmonary exchange of gas PY6.2 (Revision)		Posterior Triangle DOAP AN 29.1-4
11-Jan	Sat	CSF PY 5.10 (Lectures)	Chloride, Zinc, Selenium (SDL) BI 6.9, 6.10	Missed practicals		Histology GIT 4 Lecture KJ AN 52.1	Dissection of back DOAP AN 42.2,3		
				Examination of BP PY 5.12					
	12-Jan	Sunday							
	13-Jan	Mon	Glycogen Metabolism (Lectures) BI 3.4	Oxygen transport PY6.3 (Lectures)	GIT 4 DOAP AN 52.1	Estimation of total Cholesterol (DOAP) BI 11.9. Fe, Cu, Na, K, Cl, Zn, Se, Gluconeogenesis (SGD) BI 6.9,6.10, BI 3.4.	Norma Basalis SGD AN 26.2	Dissection of back DOAP AN 42.2,3	
					Examination of BP(Revision) PY 5.12				
	14-Jan	Tue	Hemodynamics PY5.7 (Lectures)	Plasma Protein (Lectures) BI 5.2	GIT 4 DOAP AN 52.1	Examination of BP(Revision) PY 5.12	Dissection of back DOAP AN 42.2,3		
					GIT 4 DOAP AN 52.1				
			Embryology - Pharyngeal clefts	Regulation of	Early clinical exposure- Spirometry				

Week 18	15-Jan	wed	Pharyngeal clefts and pouches Lecture AD AN 43.4	Regulation of CVS PY 5.8 (Lectures)	Estimation of total Cholesterol (DOAP) BI 11.9. Fe, Cu, Na, K, Cl, Zn, Se, Gluconeogenesis (SGD) BI 6.9,6.10, BI 3.4.		LUNCH BREAK	Anterior triangle DOAP AN 32.1,2	
	16-Jan	Thu	Oxygen transport PY6.3 (Lectures)	Replication (Lectures) BI 7.2	GIT 4 DOAP AN 52.1			Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community (CM2.1)	
					Early clinical exposure- Spirometry				
	17-Jan	Fri	Cell Mediated and humoral immunity (Lectures) BI 10.3	Histology GIT 5 Lecture KJ AN 52.1	Carbondioxide transport PY 6.3(Lectures)	Hemodynamics PY5.7 (Lectures)		Anterior triangle DOAP AN 32.1,2	
Short Test 2 (CVS & Respiratory system)					Anterior triangle DOAP AN 32.1,2				
18-Jan	Sat	Anterior triangle of neck lecture AP AN 32.1,2	Oxygen transport PY6.3 (Lectures)	Short Test 2 (CVS & Respiratory system)		Anterior triangle DOAP AN 32.1,2			
19-Jan		Sunday							
	20-Jan	Mon	Fluoride, Manganese, Magnesium, Cobalt, Chromium (SDL) BI 6.9,6.10	Coronary circulation PY 5.10 (Lectures)	GIT 5 DOAP AN 51.2		Norma Verticalis SGD AN 26.2	Anterior triangle DOAP AN 32.1,2	
					Examination of respiratory system PY 6.9				
	21-Jan	Tue	Oxygen transport PY6.3 (Lectures)	Glycogen storage disorder and HMP shunt pathway (Lectures) BI 3.4	GIT 5 DOAP AN 51.2		cranial cavity DOAP AN 30.1-5		
					Examination of respiratory system PY 6.9				
					GIT 5 DOAP AN 51.2				

<b>Week 19</b>	22-Jan	Wed	Dural folds and sinuses Lecture TJ AN 30.3,4	Carbondioxide transport PY 6.3 (Lectures)	Examination of respiratory system (Revision) PY 6.9 Estimation of total HDL Cholesterol (DOAP) BI 11.9. Hemoglobin and Glycogen Metabolism (SGD) BI 6.12, BI 3.4.	LUNCH BREAK	cranial cavity DOAP AN 30.1-5		
	23-Jan	Thu	BP regulation PY5.9(Lectures)	Digestion and absorption - lipids (Lectures) BI 4.2	GIT 5 DOAP AN 51.2 Examination of respiratory system (Revision) PY 6.9 Estimation of total HDL Cholesterol (DOAP) BI 11.9. Hemoglobin and Glycogen Metabolism (SGD) BI 6.12, BI 3.4.		Define and describe the concept of Disaster management (CM13.1) Describe disaster management cycle (CM13.2) Describe manmade disasters in the world and in India (CM 13.3) Describe the details of the National Disaster Management Authority (CM13.4)		
	24-Jan	Fri	Immunoglobulin structure, types, functions and disorders (Lectures) BI 10.3	Histology - Endocrine Lecture KJ AN 52.1, 43.2	Deep sea physiology PY 6.4 (Lectures)		BP regulation PY 5.9 (Lectures)		cranial cavity DOAP AN 30.1-5
	25-Jan	Sat	Embryology - Development of face lecture AD AN43.4	Neural regulation PY6.6 (Lectures)	<b>Test on Glycogen Metabolism, Plasma Protein, Hemoglobin, Minerals - Chloride, Zinc, Selenium, Phosphorus, Iodine, Sodium, Potassium, Manganese, Magnesium, Cobalt, Chromium, Heme degradation, Pyrimidines</b>		Thyroid Lecture AP AN 35.2,8	Deep dissection - Neck DOAP AN 35.1-10	
	26-Jan	Sunday							
	27-Jan	Mon	Energy content of different food items (Lectures) BI 8.1	BP regulation & shock (Lectures)	Endocrine DOAP AN 52.1, 43.2 Examination of CVS PY 5.15 Estimation of Triglycerides (DOAP) BI 11.10. Structure of DNA, Plasma Protein (SGD) BI 7.1, BI 5.2.		Deep dissection - Neck DOAP AN 35.1-10		
			Neural regulation	Replication	Endocrine DOAP AN 52.1, 43.2 Examination of CVS PY 5.15				

<b>Week 20</b>	28-Jan	Tue	PY6.6 (Lectures)	replication (Lectures) BI 7.2	Estimation of Triglycerides (DOAP) BI 11.10. Structure of DNA, Plasma Protein (SGD) BI 7.1, BI 5.2.		LUNCH BREAK	Deep dissection - Neck DOAP AN 35.1-10	
	29-Jan	Wed	Nerves of neck Lecture TJ AN 35.6,7	Chemical regulation PY 6.4 (Lectures)	Endocrine DOAP AN 52.1, 43.2			Deep dissection - Neck DOAP AN 35.1-10	
					Examination of CVS (Revision) PY 5.15				
	30-Jan	Thu	Regional circulation-cerebral PY 5.10 (Lectures)	HMP, Uronic acid Pathway Polyol Pathway (Lectures) BI 3.4	Estimation of Triglycerides (DOAP) BI 11.10. Structure of DNA, Plasma Protein (SGD) BI 7.1, BI 5.2.			Define and classify hospital waste (CM14.1) Describe various methods of treatment of hospital waste (CM14.2) Describe laws related to hospital waste management (CM14.3)	
Endocrine DOAP AN 52.1, 43.2									
31-Jan	Fri	Fatty acid synthesis (Lectures) BI 4.2	Histology - Eye Lecture KJ AN 43.2,3	Chemical regulation PY 6.4(Lectures)	Capillary circulation PY 5.10 (Lectures)		Face - Deep dissection DOAP AN 28.9,10		

**SREE NARAYANA INSTITUTE OF MEDICAL SCIENCES, CHALAKKA**

**DEPARTMENT OF ANATOMY**

**FIRST YEAR MBBS BATCH 2019**

**THEORY & PRACTICAL TEACHING SCHEDULE FOR THE MONTH OF JANUARY 2020**

Date	Time	Topic	SLOs	Faculty
1.1.2020	8-9 am	Scalp lecture AN 27.1,2	Describe the extent of the scalp Describe the layers of the Scalp with its Clinical Importance Name the arteries supplying the Scalp describe the venous drainage and lymphatic drainage of scalp List the nerves Supplying the scalp describe the Applied Anatomy related to scalp	TJ
1.1.2020	10am - 12pm	Histology Of GIT 2 AN 52.1 DOAP	Identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach Draw a neat labelled histological diagram of oesophagus, stomach fundus & stomach pylorus	ALL
1.1.2020	1-2pm	Norma Frontalis SGD AN 26.2	Enumerate the bones forming the norma frontalis correctly Enumerate the sutures and bones forming the sutures in the norma frontalis Enumerate the bony foramina in norma frontalis correctly identify the bony foramina in norma frontalis correctly Describe the boundaries of the orbit correctly	ALL
1.1.2020	2-4pm	Scalp DOAP 27.1,2	Describe the extent of the scalp Describe the layers of the Scalp with its Clinical Importance Name the arteries supplying the Scalp describe the venous drainage and lymphatic drainage of scalp List the nerves Supplying the scalp describe the Applied Anatomy related to scalp	ALL
3.1.2020	9-10am	Histology GIT 3 Lecture KJ AN 52.1	Describe the microanatomical features of Gastro-intestinal system: duodenum, jejunum, ileum identify the microanatomical features of Gastro-intestinal system: duodenum, jejunum, ileum	KJ

3.1.2020	2-4pm	Scalp DOAP 27.1,2	Describe the extent of the scalp Describe the layers of the Scalp with its Clinical Importance Name the arteries supplying the Scalp describe the venous drainage and lymphatic drainage of scalp List the nerves Supplying the scalp describe the Applied Anatomy related to scalp	ALL
4.1.2020	8-9am	Embryology - Pharyngeal arches Lecture AN 43.4	Describe the formation of pharyngeal arches and their derivatives Enumerate the components formed from each of these arches Explain the basis of the congenital anomalies	AD
4.1.2020	10am- 12pm	Scalp DOAP 27.1,2	Describe the extent of the scalp Describe the layers of the Scalp with its Clinical Importance Name the arteries supplying the Scalp describe the venous drainage and lymphatic drainage of scalp List the nerves Supplying the scalp describe the Applied Anatomy related to scalp	ALL

4.1.2020	1-2pm	Posterior Triangle AN lecture AP AN 29.1-4	Describe the attachments of sternocleidomastoid muscle Describe the location, contents and clinical importance of lesser supraclavicular fossa Describe the blood and nerve supply of sternocleidomastoid muscle Describe the actions of sternocleidomastoid muscle Describe the relations of sternocleidomastoid muscle Identify sternocleidomastoid muscle correctly in the dissected cadaver Demonstrate the attachments and relations of sternocleidomastoid muscle in dissected cadaver accurately Demonstrate the actions of sternocleidomastoid muscle correctly Describe the boundaries, roof & floor of posterior triangle Describe the subdivisions of posterior triangle Describe the contents of occipital and subclavian triangle Demonstrate the boundaries, roof & floor of posterior triangle correctly in the given dissected specimen Identify the contents of posterior triangle correctly in the given dissected specimen Describe the clinical importance of posterior	AP
----------	-------	--	--	----

4.1.2020	2-4pm	Face DOAP AN 28.1-8	<p>List the muscles of facial expression.</p> <p>Describe the attachments, nerve supply &amp; actions of the muscles facial expression in detail.</p> <p>Identify all the muscles of facial expression and demonstrate their attachments, nerve supply and actions in a cadaver.</p> <p>Describe the sensory innervation of face.</p> <p>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.</p> <p>Describe the origin/formation, course, termination and branches/tributaries of facial vessels.</p> <p>Identify the facial vessels and demonstrate their origin, course, termination and branches/tributaries in a cadaver.</p> <p>Describe the branches and distribution of extracranial part of facial nerve.</p> <p>Demonstrate the branches and distribution of facial nerve in a cadaver</p> <p>Classify the lymph nodes draining the head , face and neck.</p> <p>Describe the lymphatic drainage of head, neck and face</p> <p>Identify the superficial and deep lymph nodes of head and neck in a cadaver and</p>	
6.1.2020-9.1.2020	10am-12pm	GIT 3 DOAP AN 52.1	<p>identify the microanatomical features of Gastro-intestinal system: duodenum, jejunum, ileum</p> <p>draw neat labelled histological diagram of duodenum, jejunum, ileum</p>	
6.1.2020	1-2pm	Norma Lateralis SGD AN 26.1	<p>Enumerate the bones forming the norma lateralis correctly Enumerate the sutures and bones forming the sutures in the norma lateralis</p> <p>Enumerate the bony foramina in norma lateralis correctly Identify the bony foramina in norma lateralis correctly Enumerate the fontanelles and year of its closure in foetal skull correctly</p> <p>Describe the boundaries and contents of temporal fossa , infratemporal fossa and pterygopalatine fossae in the Norma lateralis correctly</p> <p>Describe the mandibular fossa in the Norma lateralis correctly Enumerate the structures attached to the styloid and mastoid processes correctly</p>	ALL

6.1.2020	2-4pm	Face DOAP AN 28.1-8	<p>List the muscles of facial expression.</p> <p>Describe the attachments, nerve supply &amp; actions of the muscles facial expression in detail.</p> <p>Identify all the muscles of facial expression and demonstrate their attachments, nerve supply and actions in a cadaver.</p> <p>Describe the sensory innervation of face.</p> <p>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.</p> <p>Describe the origin/formation, course, termination and branches/tributaries of facial vessels.</p> <p>Identify the facial vessels and demonstrate their origin, course, termination and branches/tributaries in a cadaver.</p> <p>Describe the branches and distribution of extracranial part of facial nerve.</p> <p>Demonstrate the branches and distribution of facial nerve in a cadaver</p> <p>Classify the lymph nodes draining the head , face and neck.</p> <p>Describe the lymphatic drainage of head, neck and face</p> <p>Identify the superficial and deep lymph nodes of head and neck in a cadaver and</p>	
----------	-------	------------------------	--	--

7.1.2020	1-4pm	Posterior Triangle DOAP AN 29.1-4	<p>Describe the attachments of sternocleidomastoid muscle</p> <p>Describe the location, contents and clinical importance of lesser supraclavicular fossa</p> <p>Describe the blood and nerve supply of sternocleidomastoid muscle</p> <p>Describe the actions of sternocleidomastoid muscle</p> <p>Describe the relations of sternocleidomastoid muscle</p> <p>Identify sternocleidomastoid muscle correctly in the dissected cadaver</p> <p>Demonstrate the attachments and relations of sternocleidomastoid muscle in dissected cadaver accurately</p> <p>Demonstrate the actions of sternocleidomastoid muscle correctly</p> <p>Describe the boundaries, roof &amp; floor of posterior triangle</p> <p>Describe the subdivisions of posterior triangle</p> <p>Describe the contents of occipital and subclavian triangle</p> <p>Demonstrate the boundaries, roof &amp; floor of posterior triangle correctly in the given dissected specimen</p> <p>Identify the contents of posterior triangle correctly in the given dissected specimen</p> <p>Describe the clinical importance of posterior</p>	
8.1.2020	8-9am	Muscles of back/Suboccipital triangle Lecture AN 42.2,3	<p>Define the suboccipital triangle correctly.</p> <p>Describe the boundaries of the suboccipital triangle accurately.</p> <p>Enumerate the contents correctly.</p> <p>Identify the boundaries of suboccipital triangle in a cadaver correctly.</p> <p>Describe the course of the vertebral artery in the triangle correctly.</p> <p>Discuss the clinical anatomy of the spinal meninges and spinal nerves accurately.</p>	TJ

8.1.2020	1-4pm	Posterior Triangle DOAP AN 29.1-4	<p>Describe the attachments of sternocleidomastoid muscle</p> <p>Describe the location, contents and clinical importance of lesser supraclavicular fossa</p> <p>Describe the blood and nerve supply of sternocleidomastoid muscle</p> <p>Describe the actions of sternocleidomastoid muscle</p> <p>Describe the relations of sternocleidomastoid muscle</p> <p>Identify sternocleidomastoid muscle correctly in the dissected cadaver</p> <p>Demonstrate the attachments and relations of sternocleidomastoid muscle in dissected cadaver accurately</p> <p>Demonstrate the actions of sternocleidomastoid muscle correctly</p> <p>Describe the boundaries, roof &amp; floor of posterior triangle</p> <p>Describe the subdivisions of posterior triangle</p> <p>Describe the contents of occipital and subclavian triangle</p> <p>Demonstrate the boundaries, roof &amp; floor of posterior triangle correctly in the given dissected specimen</p> <p>Identify the contents of posterior triangle correctly in the given dissected specimen</p> <p>Describe the clinical importance of posterior</p>	AP
10.1.2020	9-10am	Embryology - Aortic arch arteries Lecture AN 25.6	<p>describe the development of aortic arch arteries</p> <p>describe the developmental anomalies related to aortic arches</p>	

10.1.2020	2-4pm	Posterior Triangle DOAP AN 29.1-4	<p>Describe the attachments of sternocleidomastoid muscle</p> <p>Describe the location, contents and clinical importance of lesser supraclavicular fossa</p> <p>Describe the blood and nerve supply of sternocleidomastoid muscle</p> <p>Describe the actions of sternocleidomastoid muscle</p> <p>Describe the relations of sternocleidomastoid muscle</p> <p>Identify sternocleidomastoid muscle correctly in the dissected cadaver</p> <p>Demonstrate the attachments and relations of sternocleidomastoid muscle in dissected cadaver accurately</p> <p>Demonstrate the actions of sternocleidomastoid muscle correctly</p> <p>Describe the boundaries, roof &amp; floor of posterior triangle</p> <p>Describe the subdivisions of posterior triangle</p> <p>Describe the contents of occipital and subclavian triangle</p> <p>Demonstrate the boundaries, roof &amp; floor of posterior triangle correctly in the given dissected specimen</p> <p>Identify the contents of posterior triangle correctly in the given dissected specimen</p> <p><del>Describe the clinical importance of posterior</del></p>	
11.1.2020	10am-12pm	Histology Of GIT 2 AN 52.1 DOAP	<p>Identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach</p> <p>Draw a neat labelled histological diagram of oesophagus, stomach fundus &amp; stomach pylorus</p>	ALL
11.1.2020	1-2pm	Histology GIT 4 Lecture AN 52.1	<p>Describe the microanatomical features of Gastro-intestinal system: large intestine, appendix</p> <p>identify the microanatomical features of Gastro-intestinal system: large intestine appendix</p>	KJ

11.1.2020	2-4pm	Dissection of back DOAP AN 42.2,3	<p>Describe the attachments of sternocleidomastoid muscle</p> <p>Describe the location, contents and clinical importance of lesser supraclavicular fossa</p> <p>Describe the blood and nerve supply of sternocleidomastoid muscle</p> <p>Describe the actions of sternocleidomastoid muscle</p> <p>Describe the relations of sternocleidomastoid muscle</p> <p>Identify sternocleidomastoid muscle correctly in the dissected cadaver</p> <p>Demonstrate the attachments and relations of sternocleidomastoid muscle in dissected cadaver accurately</p> <p>Demonstrate the actions of sternocleidomastoid muscle correctly</p> <p>Describe the boundaries, roof &amp; floor of posterior triangle</p> <p>Describe the subdivisions of posterior triangle</p> <p>Describe the contents of occipital and subclavian triangle</p> <p>Demonstrate the boundaries, roof &amp; floor of posterior triangle correctly in the given dissected specimen</p> <p>Identify the contents of posterior triangle correctly in the given dissected specimen</p> <p>Describe the clinical importance of posterior</p>	
13.1.2020-16.1.2020	10am-12pm	GIT 4 DOAP AN 52.1	<p>Identify the microanatomical features of Gastro-intestinal system: large intestine, appendix</p> <p>Draw a neat labelled histological diagram of large intestine, appendix</p>	
13.1.2020	1-2pm	Norma Basalis SGD AN 26.2	<p>Enumerate the bones forming the norma basalis correctly</p> <p>Enumerate the sutures and bones forming the sutures in the norma basalis</p> <p>Enumerate the bony foramina in norma basalis correctly</p> <p>Identify the bony foramina in norma basalis correctly</p> <p>Enumerate the structures passing through the foramina in norma basalis correctly</p>	

13.1.2020	2-4pm	Dissection of back DOAP AN 42.2,3	<p>Describe the attachments of sternocleidomastoid muscle</p> <p>Describe the location, contents and clinical importance of lesser supraclavicular fossa</p> <p>Describe the blood and nerve supply of sternocleidomastoid muscle</p> <p>Describe the actions of sternocleidomastoid muscle</p> <p>Describe the relations of sternocleidomastoid muscle</p> <p>Identify sternocleidomastoid muscle correctly in the dissected cadaver</p> <p>Demonstrate the attachments and relations of sternocleidomastoid muscle in dissected cadaver accurately</p> <p>Demonstrate the actions of sternocleidomastoid muscle correctly</p> <p>Describe the boundaries, roof &amp; floor of posterior triangle</p> <p>Describe the subdivisions of posterior triangle</p> <p>Describe the contents of occipital and subclavian triangle</p> <p>Demonstrate the boundaries, roof &amp; floor of posterior triangle correctly in the given dissected specimen</p> <p>Identify the contents of posterior triangle correctly in the given dissected specimen</p> <p>Describe the clinical importance of posterior</p>	
-----------	-------	-----------------------------------	---	--

14.1.2020	1-4pm	Dissection of back DOAP AN 42.2,3	<p>Describe the attachments of sternocleidomastoid muscle</p> <p>Describe the location, contents and clinical importance of lesser supraclavicular fossa</p> <p>Describe the blood and nerve supply of sternocleidomastoid muscle</p> <p>Describe the actions of sternocleidomastoid muscle</p> <p>Describe the relations of sternocleidomastoid muscle</p> <p>Identify sternocleidomastoid muscle correctly in the dissected cadaver</p> <p>Demonstrate the attachments and relations of sternocleidomastoid muscle in dissected cadaver accurately</p> <p>Demonstrate the actions of sternocleidomastoid muscle correctly</p> <p>Describe the boundaries, roof &amp; floor of posterior triangle</p> <p>Describe the subdivisions of posterior triangle</p> <p>Describe the contents of occipital and subclavian triangle</p> <p>Demonstrate the boundaries, roof &amp; floor of posterior triangle correctly in the given dissected specimen</p> <p>Identify the contents of posterior triangle correctly in the given dissected specimen</p> <p>Describe the clinical importance of posterior</p>	ALL
15.1.2020	8-9am	Embryology - Pharyngeal clefts and pouches Lecture AN 43.4	<p>Describe the formation of pharyngeal clefts, pouches and their derivatives</p> <p>List the derivatives of pharyngeal clefts, pouches</p> <p>Enumerate the components formed from each of these</p> <p>Explain the basis of the congenital anomalies</p>	

15.1.2020	1-4pm	Anterior triangle DOAP AN 32.1,2	<p>Describe the boundaries of anterior triangle of neck correctly.</p> <p>Describe the boundaries and contents of muscular and digastric triangle accurately.</p> <p>Discuss the boundaries and contents of carotid triangle and Submental triangle correctly.</p> <p>Identify the boundaries and contents of muscular triangle in a dissected cadaver accurately.</p> <p>Identify the anterior and posterior belly of digastric muscles, Stylohyoid muscle and submandibular salivary gland correctly in a head and neck specimen.</p> <p>Demonstrate the digastric, Mylohyoid muscle with the boundaries of submental triangle correctly in a dissected cadaver.</p> <p>Identify the ansacervicalis common, internal and external carotid arteries, IJV, vagus, cervical sympathetic chain, loop of hypoglossal nerve, branches of external carotid artery in a dissected specimen correctly.</p>	
15-01-2020	8-9am	Embryology Pharyngeal clefts and pouches Lecture AD AN 43.4	Mention development of aortic arch arteries, SVC, IVC and coronary sinus	AD

15-01-2020 - 20-01-2020	1-4pm	Anterior triangle DOAP AN 32.1,2	Describe the boundaries of anterior triangle of neck correctly. Describe the boundaries and contents of muscular and digastric triangle accurately. Discuss the boundaries and contents of carotid triangle and Submental triangle correctly. Identify the boundaries and contents of muscular triangle in a dissected cadaver accurately. Identify the anterior and posterior belly of digastric muscles, Stylohyoid muscle and submandibular salivary gland correctly in a head and neck specimen. Demonstrate the digastric, Mylohyoid muscle with the boundaries of submental triangle correctly in a dissected cadaver. Identify the ansacervicalis common, internal and external carotid arteries, IJV, vagus, cervical sympathetic chain, loop of hypoglossal nerve, branches of external carotid artery in a dissected specimen correctly.	ALL
17-01-2020	9-10am	Histology GIT 5 Lecture KJ AN 52.1	Describe the microanatomical features of Gastro-intestinal system: Duodenum, Jejunum, Ileum	KJ
18-01-2020	8-9am	Anterior triangle of neck lecture AP AN 32.1,2	Describe the boundaries of anterior triangle of neck correctly. Describe the boundaries and contents of muscular and digastric triangle accurately. Discuss the boundaries and contents of carotid triangle and Submental triangle correctly.	AP
20-01-2020- 23-12-2020	10-12am	GIT 5 DOAP AN 51.2	identify and draw a neat labelled diagram of the microanatomical features of Gastro-intestinal system: Duodenum, Jejunum, Ileum	ALL

20-01-2020	1-2pm	Norma Verticalis SGD AN 26.2	<p>Enumerate the bones forming the norma verticalis correctly</p> <p>Enumerate the sutures and bones forming the sutures in the norma frontalis, verticalis, occipitalis, lateralis and basalis correctly</p> <p>Enumerate the bony foramina in all normas correctly</p> <p>Identify the bony foramina in all normas correctly</p>	AD
21-01-2020- 24-01-2020	1-4pm	cranial cavity DOAP AN 30.1-5	<p>Describe the cranial fossae &amp; identify related structures</p> <p>Discuss &amp; Identify major foramina with structures passing through them</p> <p>Describe &amp; Identify dural folds and dural venous sinuses</p> <p>Describe clinical importance of dural venous sinuses</p> <p>Explain the effect of pituitary tumours on visual pathway</p> <p>Discuss the divisions of cranial fossa</p> <p>Describe the anterior cranial fossa and structures related to it</p> <p>Describe the middle cranial fossa and structures related to it</p> <p>Describe the posterior cranial fossa and structures related to it</p> <p>Identify the major foramina in anterior cranial fossa</p> <p>Discuss the structures passing through the major foramina present in the anterior cranial fossa</p> <p>Discuss the structures passing through the major foramina present in the posterior cranial fossa</p>	All

22-01-2020	8-9am	Dural folds and sinuses Lecture TJ AN 30.3,4	<p>Describe the formation and attachment of dural folds</p> <p>Define dural venous sinuses</p> <p>Classify dural venous sinuses</p> <p>Discuss in detail the location, commencement, termination, tributaries and communications of dural venous sinuses</p> <p>Discuss in detail the location,relations, commencement, termination, tributaries and communications of cavernous sinuses</p> <p>Describe the role of emissary veins in communications of dural venous sinuses</p> <p>Describe the communications of cavernous sinuses elaborately</p> <p>Discuss the relations of cavernous sinuses</p> <p>Explain the reason for dangerous area of face</p> <p>Explain the reason for pulsatile exophthalmos and ophthalmoplegia</p>	TJ
24-12-2020	9-10am	Histology - Endocrine Lecture KJ AN 52.1, 43.2	<p>Describe the parts of the pituitary gland and mention the cell types with their pattern of arrangement in each part</p> <p>Mention the functions of each cell type and correlate it with their functions</p> <p>Enlist the disorders caused by derangement of the secretions</p> <p>Describe the secretory units of thyroid and parathyroid gland and mention their secretions</p> <p>Describe the changes in appearance of secretory units based on their level of activity</p> <p>Enlist the disorders caused by derangement of the secretions</p> <p>Discuss the microanatomy of Pineal gland</p> <p>Identify the features, draw and label the microscopic anatomy of Pituitary gland, Thyroid gland and parathyroid gland</p>	KJ

25-12-2019	8-9am	Embryology - Development of face  lecture AD AN43.4	Explain the basis of the congenital anomalies Describe the formation of the palate from these facial process Correlate the end derivatives and their nerve supply List the derivatives of facial processes	AD
25-01-2020	1-2pm	Thyroid Lecture AP AN 35.2,8	Describe the location, presenting parts and coverings correctly Describe the surfaces, borders and relations of the thyroid gland correctly Describe the blood supply of thyroid gland and relation of the vessels with other structures correctly Identify the presenting parts, arteries supplying the thyroid gland, veins draining the gland and nerves in relation to the arteries accurately. .	AP
25-01-2020- 29-01-2020	1-4pm	Deep dissection - Neck DOAP AN 35.1-10	Describe the parts, extent, attachments of deep cervical fascia correctly. Identify the presenting parts, arteries supplying the thyroid gland, veins draining the gland and nerves in relation to the arteries accurately. . Demonstrate the origin, course and branches of the subclavian artery accurately. Demonstrate the course, relations, tributaries and termination of internal jugular & brachiocephalic veins Demonstrate arrangement and location of cervical lymph nodes accurately Demonstrate the extent, formation, relation & branches of cervical sympathetic accurately. Describe the course and branches of IX, X, XI, XII nerve in the neck	TJ
27-01-2020- 30-01-2020	10-12am	Endocrine DOAP AN 52.1, 43.2	Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland,	ALL

29-01-2020	8-9am	Nerves of neck Lecture TJ AN 35.6,7	Describe the extent, formation, relation & branches of cervical sympathetic correctly. Describe the course and branches of IX, X, XI, XII nerve in the neck	TJ
31-01-2020	9-10am	Histology - Eye Lecture KJ AN 43.2,3	Identify, describe and draw the microanatomy of cornea, retina and optic nerve	KJ
31-01-2020	2-4pm	Face - Deep dissection DOAP AN 28.9,10	Describe the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance.  Demonstrate the relations, contents and nerve supply of parotid gland and the course of parotid duct in a cadaver.  Explain the anatomical basis of Frey's syndrome.	ALL

**SreeNarayana Institute of Medical Sciences, Chalakka**

**Department of Physiology**

**2019 Reg. Batch**

**Theory & Practical Classes Schedule for the month of January-2020**

<b>WEEK 16</b>				
<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>SLO (The student should be able to)</b>	<b>Faculty</b>
01/01/20 Wednesday	9-10am	Surfactant PY 6.2	1. Describe factors influencing pulmonary surface tension 2. List applications of Law of Laplace	Dr Indira Kumari K R
	10- 12Noon	Velocity of nerve conduction	1. Draw and interpret amphibian cardiac experiments	DrArun K Prakash
03/01/20 Friday	10- 11am	Compliance PY6.2	1. Describe lung compliance 2. Describe work of breathing	DrReena Alexander
	11- 12noon	Cardiac output PY 5.9	1. Describe the regulation of cardiac output 2. Describe heterometric and homometric regulation of cardiac output	DrNithi Varghese
04/01/20 Saturday	9-10am	ECG - Waves abnormalities and conduction disorders  PY5.6	1. Describe the various cardiac arrhythmias. 2. List the types of heart blocks and their significance.	DrArun K Prakash

**WEEK 17**

<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>SLO (The student should be able to)</b>	<b>Faculty</b>
06/01/20 Monday	9-10am	Heart rate PY 5.9	<ol style="list-style-type: none"> <li>1. Describe factors affecting heart rate</li> <li>2. Describe the regulation of heart rate</li> </ol>	DrNithi Varghese
	10-12Noon	General Examination (Revision)	<ol style="list-style-type: none"> <li>1. Demonstrate General examination of the subject</li> </ol>	DrReena Alexander
07/01/20 Tuesday	8-9M	Ventilation perfusion ratio PY6.2	<ol style="list-style-type: none"> <li>1. Give the normal ventilation / perfusion ratio of the lungs and conditions in which it varies</li> <li>2. Describe the changes in ventilation / perfusion ratio at various level of lungs in upright position</li> </ol>	DrReena Alexander
	10-12Noon	General Examination (Revision)	<ol style="list-style-type: none"> <li>1. Demonstrate General examination of the subject</li> </ol>	DrReena Alexander
08/01/20 Wednesday	9-10am	Pulmonary circulation PY 5.10	<ol style="list-style-type: none"> <li>1. Functional anatomy</li> <li>2. Describe the salient (special) features of pulmonary circulation</li> <li>3. Pressure changes</li> <li>4. Zones of blood flow</li> </ol>	Dr Indira Kumari K R
	10-12Noon	Examination of BP PY 5.12	<ol style="list-style-type: none"> <li>1. Record BP and Pulse rate at rest</li> <li>2. Describe the effect of BP in different postures</li> <li>3. Describe Effect of BP before and after exercise</li> </ol>	DrArun K Prakash
09/01/20 Thursday	8-9M	Myocardial infarction & Electrolyte imbalance PY5.6	<ol style="list-style-type: none"> <li>1. Describe current of injury</li> <li>2. Describe changes in the ECG in Myocardial Infarction</li> <li>3. Describe changes in the ECG in electrolyte imbalance</li> </ol>	DrArun K Prakash

	10-12Noon	Examination of BP PY 5.12	<ol style="list-style-type: none"> <li>1. Record BP and Pulse rate at rest</li> <li>2. Describe the effect of BP in different postures</li> <li>3. Describe Effect of BP before and after exercise</li> </ol>	DrArun K Prakash
10/01/20 Friday	10-11am	Pulmonary circulation PY 5.10	<ol style="list-style-type: none"> <li>5. Physiological shunt</li> <li>6. Describe the effect of gravity on pulmonary circulation</li> <li>7. Regulation of pulmonary blood flow</li> <li>8. Ventilation perfusion ratio</li> </ol>	Dr Indira Kumari K R
	11-12noon	pulmonary exchange of gas PY6.2	<ol style="list-style-type: none"> <li>1. Draw and label respiratory membrane</li> <li>2. Describe the factors affecting diffusion across respiratory membrane.</li> </ol>	DrReena Alexander
11/01/20 Saturday	8-9am	CSF PY 5.10	<ol style="list-style-type: none"> <li>1. Describe the formation regulation of formation &amp; functions of the CSF</li> <li>2. List the significance of examining the CSF &amp; CSF pressure.</li> <li>3. Describe physiological significance in clinical conditions associated with increased CSF pressure.</li> </ol>	DrAhana Salam

**WEEK 18**

<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>SLO (The student should be able to)</b>	<b>Faculty</b>
13/01/20 Monday	9-10am	Oxygen transport <b>PY6.3</b>	<ol style="list-style-type: none"> <li>1. List the forms of oxygen transport in the blood.</li> <li>2. Describe the transport of oxygen in the dissolved state and its importance</li> <li>3. Discuss the role of haemoglobin in oxygen transport</li> </ol>	DrReena Alexander
	10-12Noon	Examination of BP(Revision) PY 5.12	<ol style="list-style-type: none"> <li>1. Record BP and Pulse rate at rest</li> <li>2. Describe the effect of BP in different postures</li> <li>3. Describe Effect of BP before and after exercise</li> </ol>	Dr Ahana Salam
14/01/20 Tuesday	8-9M	Hemodynamics PY5.7	<ol style="list-style-type: none"> <li>1. Enumerate the differences between laminar and turbulent flow</li> <li>2. Write the Hagen Poisuille equation</li> </ol>	DrArun K Prakash
	10-12Noon	Examination of BP(Revision) PY 5.12	<ol style="list-style-type: none"> <li>1. Record BP and Pulse rate at rest</li> <li>2. Describe the effect of BP in different postures</li> <li>3. Describe Effect of BP before and after exercise</li> </ol>	Dr Ahana Salam
15/01/20 Wednesday	9-10am	Regulation of CVS PY 5.8	<ol style="list-style-type: none"> <li>1. Describe the local cardiovascular regulatory mechanism</li> <li>2. Describe the systemic cardiovascular regulatory mechanisms</li> </ol>	DrNithi Varghese
	10-12Noon	Early clinical exposure- Spirometry	<ol style="list-style-type: none"> <li>1. Demonstrate how to measure standard lung volume and capacities using simple spirometer</li> </ol>	DrArun K Prakash /Dr Ahana Salam
16/01/20 Thursday	8-9M	Oxygen transport <b>PY6.3</b>	<ol style="list-style-type: none"> <li>1. Draw a neat labelled diagram of oxygen haemoglobin dissociation curve</li> <li>2. List &amp; describe the factors that shift oxygen haemoglobin</li> </ol>	DrReena Alexander

			dissociation curve to the right and to the left.	
	10-12Noon	Early clinical exposure- Spirometry	2. Demonstrate how to measure standard lung volume and capacities using simple spirometer	DrArun K Prakash /Dr Ahana Salam
17/01/20 Friday	10-11am	Carbondioxide transport PY 6.3	<ol style="list-style-type: none"> <li>1. List the forms in which carbondioxide is transported in the blood</li> <li>2. Describe the transport of carbondioxide by RBC</li> </ol>	Dr Indira Kumari K R
	11-12noon	Hemodynamics PY5.7	<ol style="list-style-type: none"> <li>3. Define Laplace law</li> <li>4. Write the equation for Reynolds number</li> <li>5. Describe the basis of the Korotkoff sounds</li> </ol>	DrArun K Prakash
18/01/20 Saturday	9-10am	Oxygen transport <b>PY6.3</b>	<ol style="list-style-type: none"> <li>1. Define Bohr effect and understand the importance of Bohr effect on oxygen transport.</li> </ol>	DrReena Alexander

**WEEK 19**

<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>SLO (The student should be able to)</b>	<b>Faculty</b>
20/01/20 Monday	9-10am	Coronary circulation PY 5.10	1. Describe the special features of coronary circulation	DrNithi Varghese
	10-12Noon	Examination of respiratory system PY 6.9	1. Demonstrate how to examine respiratory system in a normal volunteer	DrReena Alexander
21/01/20 Tuesday	8-9M	Oxygen transport <b>PY6.3</b>	1. Understand the concept of oxygen content, oxygen saturation and oxygen extraction.	DrReena Alexander
	10-12Noon	Examination of respiratory system PY 6.9	2. Demonstrate how to examine respiratory system in a normal volunteer	DrReena Alexander
22/01/20 Wednesday	9-10am	Carbondioxide transport PY 6.3	1. Describe the Haldane effect & understand the importance of it on carbondioxide transport.	Dr Indira Kumari K R
	10-12Noon	Examination of respiratory system(Revision) PY 6.9	2. Demonstrate how to examine respiratory system in a normal volunteer	Dr Jincy Joseph
23/01/20 Thursday	8-9M	BP regulation PY5.9	1. Define BP, pulse pressure and MAP and state their normal values. 2. Describe factors affecting BP and determinants of BP.	DrArun K Prakash
	10-	Examination of respiratory	3. Demonstrate how to examine respiratory system in a normal volunteer	Dr Jincy

	12Noon	system(Revision) PY 6.9		Joseph
24/01/20 Friday	10- 11am	Deep sea physiology PY 6.4	<ol style="list-style-type: none"> <li>1. Describe the physiology of deep sea diving</li> <li>2. Discuss the applied aspects of deep sea diving</li> <li>3. Describe decompression sickness &amp; its management</li> </ol>	Dr Indira Kumari K R
	11- 12noon	BP regulation PY 5.9	<ol style="list-style-type: none"> <li>3. Describe the various mechanisms regulating BP.</li> </ol>	DrArun K Prakash
25/01/20 Saturday	9-10am	Neural regulation  PY6.6	<ol style="list-style-type: none"> <li>1. Describe the neural centres of respiration</li> <li>2. Functions of medullary and pontine centers</li> </ol>	DrReena Alexander

**WEEK 20**

<b>Date</b>	<b>Time</b>	<b>Topic</b>	<b>SLO (The student should be able to)</b>	<b>Faculty</b>
27/12/19 Monday	9-10am	BP regulation – Syncope ,Heart failure & shock PY 5.11	<ol style="list-style-type: none"> <li>1. Describe the pathophysiology of hypertension</li> <li>2. Describe the Pathophysiology of shock, classification, compensatory mechanisms and management.</li> <li>3. Describe the Pathophysiology of syncope</li> <li>4. Describe the Clinical features and management of heart failure.</li> </ol>	DrArun K Prakash
	10- 12Noon	Examination of CVS PY 5.15	<ol style="list-style-type: none"> <li>1. Examine the cardiovascular system and give a report</li> </ol>	DrArun K Prakash
28/12/19 Tuesday	8-9M	Neural regulation  <b>PY6.6</b>	<ol style="list-style-type: none"> <li>1. Describe reflex regulation of respiration.</li> <li>2. Summarize neural regulation of respiration and its Applied aspects.</li> </ol>	DrReena Alexander
	10- 12Noon	Examination of CVS PY 5.15	<ol style="list-style-type: none"> <li>1. Examine the cardiovascular system and give a report</li> </ol>	DrArun K Prakash
29/01/20 Wednesday	9-10am	Chemical regulation PY 6.4	<ol style="list-style-type: none"> <li>1. Describe the peripheral chemoreceptors</li> <li>2. Describe the central chemoreceptors</li> <li>3. Describe the role of both the chemoreceptors on regulation of respiration</li> </ol>	Dr Indira Kumari K R

	10-12Noon	Examination of CVS(Revision) PY 5.15	1. Examine the cardiovascular system and give a report	DrAhana Salam
30/01/20 Thursday	8-9M	Regional circulation-cerebral PY 5.10	1. List the salient features of cerebralcirculation	DrArun K Prakash
	10-12Noon	Examination of CVS(Revision) PY 5.15	1. Examine the cardiovascular system and give a report	DrAhana Salam
31/01/20 Friday	10-11am	Chemical regulation PY 6.4	4. Describe the ventilator responses to hypoxia 5. Describe the ventilator responses to acidosis & alkalosis 6. Describe the ventilator responses to changes in CO2 level	Dr Indira Kumari K R
	11-12noon	Capillary circulation PY 5.10	1. List the salient features of microcirculation 2. Describe Starlings forces and formation of lymph	DrNithi Varghese

**SREE NARAYANA INSTITUTE OF MEDICAL SCIENCES, CHALAKKA**

**DEPARTMENT OF BIOCHEMISTRY**

**1st YEAR MBBS BATCH 2019**

**THEORY TEACHING SCHEDULE FOR JANUARY 2020**

DATE	TIME	TOPIC		SLO	FACULTY
02.01.20 20	9.00- 10.00 am	Holiday - Mannam Jayanthi			
03.01.20 20	8.00-9.00 am	Describe the processes involved in the maintenance of normal pH, water and electrolyte balance of body fluids and the derangements associated with these. BI 6.7	1	List the commonly measured electrolytes in serum and their normal values.	Dr.Desigamani
			2	List the functions of each electrolyte in the body.	
			3	Describe the disorders with reference to definition, causes clinical features and principles of treatments.	

06.01.20 20	8.00-9.00 am	Define and differentiate the pathways of carbohydrate metabolism (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). BI 3.4	1	Describe glycogenesis.	Dr.Anju
			2	Describe the significance of glycogenesis.	
07.01.20 20	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	1	Describe the various steps involved in Heme Catabolism.	Dr.Sneha

09.01.20 20	9.00- 10.00 am	Describe the structure and functions of DNA and RNA and outline the cell cycle. BI 7.1	1	Describe structure of DNA	Dr.Asha
10.01.20 20	8.00-9.00 am	Describe the different types of haemoglobin and its derivatives found in the body and their physiological/pathological relevance BI 6.12	1	Define Normal and Abnormal Hemoglobin	Dr.Prabhakaran
			2	Define the Normal Hemoglobin level and structure	
			3	Enumerate variants of Hemoglobin	
			4	Classify Abnormal Hemoglobin	
			5	Describe Sickle cell Hemoglobin	

			6	Define Hemoglobinopathies	
			7	Classify Thalasemias	
11.01.20 20	9.00- 10.00 am	Describe the functions of various minerals in the body, their metabolism and homeostasis BI 6.9	1	List the functions of Chloride in the body.	Dr.Desigamani
			2	Describe briefly the disorders with reference to definition, causes, clinical features of chloride.	
		Enumerate and describe the disorders associated with mineral metabolism BI 6.10	3	Describe the homeostasis and Biochemical functions of Zinc, Selenium, and associated disorders.	

13.01.20 20	8.00-9.00 am	Define and differentiate the pathways of carbohydrate metabolism (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). BI 3.4	1	Describe glycogenolysis.	Dr.Anju
			2	Discuss the regulation of glycogen metabolism.	
14.01.20 20	9.00- 10.00 am	Describe and discuss functions of proteins and structure-function relationships in relevant areas eg., hemoglobin and selected hemoglobinopathies BI 5.2	1	Describe the significance of different plasma proteins.	Dr.Sneha

16.01.20 20	9.00- 10.00 am	Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms. BI 7.2	1	Definition , the requirements and Initiation of replication.	Dr.Asha
17.01.20 20	8.00-9.00 am	Describe the cellular components of immune system and describe the types and structure of antibodies BI 10.3	1	Define and differentiate between cell mediated and humoral immunity.	Dr.Prabhakaran
			2	Describe about the steps in immunity	
			3	Define opsonization and Immunological memory	

		Describe the functions of various minerals in the body, their metabolism and homeostasis BI 6.9	1	Describe the homeostasis and Biochemical functions of fluoride its associated disorders.	
20.01.2020	8.00-9.00 am	Enumerate and describe the disorders associated with mineral metabolism BI 6.10	2	List the Biochemical functions of Manganese, magnesium, Cobalt, Chromium and their associated disorders.	Dr.Desigamani
21.01.2020	9.00-10.00 am	Define and differentiate the pathways of carbohydrate metabolism (glycolysis,	1	Discuss the disorders related to glycogenolysis	Dr.Anju

		gluconeogenesis, glycogen metabolism, HMP shunt). BI 3.4	2	Describe the pentose phosphate pathway.	
23.01.2020	9.00-10.00 am	Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism BI 4.2	1	Discuss the enzymes involved and the process of digestion and absorption of lipids.	Dr.Sneha
24.01.2020	8.00-9.00 am	Describe the cellular components of immune system and describe the types and structure of	1	Classify different types of Immunoglobulin	Dr.Prabhakaran
			2	Describe the structure of Various Immunoglobulin	
			3	Define the functions of Immunoglobulin	

		UI antibodies s BI 10.3	4	Elaborate on Rh Incompatibility and other disorders.	
25.01.20 20	10.00- 12.00 am	Test on Glycogen Metabolism, Plasma Protein, Hemoglobin, Minerals - Chloride, Zinc, Selenium, Phosphorus, Iodine, Sodium, Potassium, Manganese, Magnesium, Cobalt, Chromium, Heme degradation, Pyrimidines			
27.01.20 20	8.00-9.00 am	Discuss the importan ce of various dietary compone nts and explain importan ce of dietary fibre BI 8.1	1	Definition and importance of nutrition.	Dr.Desigamani
			2	Major componenets of good nutrition and their calorific value (Energy content).	
			3	Nutritional importance of each class of nutrients.	

28.01.20 20	9.00- 10.00 am	Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms. BI 7.2	1	Describe the elongation, termination, inhibitors of replication	Dr.Asha
30.01.20 20	9.00- 10.00 am	Define and differentiate the pathways of carbohydrate metabolism (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). BI 3.4	1	Discuss the significance of pentose phosphate pathway.	Dr.Anju
			2	Describe the uronic acid pathway.	
			3	Describe polyol pathway.	

31.01.20 20	8.00-9.00 am	Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism BI 4.2	1	Describe fatty acid synthase complex.	Dr.Sneha
			2	Discuss the mechanism of fatty acid synthesis.	

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 JANUARY 2020**  
**(2019 MBBS Batch)**

Date	Time	Topic	SLO	Faculty
09-01-2020	1-4pm	Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community (CM2.1)	1. Analyze the data related to clinico socio-cultural and demographic assessment of the individual, family and community 2. Discuss the theory of data collection, compilation and frequency distribution	KN/JD/BR

16-01-2020	1-4pm	Describe the steps and perform clinico socio-cultural and demographic assessment of the individual, family and community (CM2.1)	Perform under supervision the presentation of clinico socio-cultural and demographic assessment of the individual, family and community	<b>AM/KN/BR/ATS</b>
	1-2pm	Define and describe the concept of Disaster management (CM13.1)	Define and enumerate the types of disasters with example + SNIMS flood video demonstration	<b>KK</b>

23-01-2020

2-3pm	Describe disaster management cycle (CM13.2)	Describe the disaster management cycle with help of diagram (Integrated session with General Medicine)	<b>BS/General Medicine faculty</b>
3-3:15pm	Describe manmade disasters in the world and in India (CM 13.3)	Enlist and discuss the man-made disasters in the world and in India (Introduction)-Self directed learning	<b>AJ</b>

	3:15-4pm	Describe the details of the National Disaster Management Authority (CM13.4)	1. Discuss the personal protection in different types of emergencies 2. Describe the National Disaster Management Authority	<b>VC</b>
	1-2pm	Define and classify hospital waste (CM14.1)	1. Define biomedical waste and enumerate its sources 2. List the health hazards related to biomedical waste	<b>AR</b>

30-01-2020	2-3pm	Define and classify hospital waste (CM14.1)	List and describe the categories of biomedical waste	<b>JD</b>
	3-4pm	Describe various methods of treatment of hospital waste (CM14.2) Describe laws related to hospital waste management (CM14.3)	Describe the treatment and methods of disposal of biomedical waste	<b>BS</b>
06-02-2020	1-1:30pm	Describe manmade disasters in the world and in India (CM 13.3)	Enlist and discuss the man-made disasters in the world and in India (Conclusion)- Self directed learning	<b>AJ</b>

	1:30-3-30pm	End-Semester Summative Assessment and Feedback (1:30-2:30-Feedback, 2:30-3:30-Assessment)	<b>ATS</b>
			<b>Prof. Dr. Alexander John</b>
			<b>HOD, Dept of Community Medicine</b>