BLOCK 2 –BATCH 2019-20
2nd JANUARY to 2nd MAY

Week 1 – 2nd Jan to 4th Jan

Time	Mon	Tue	Wed	Thus 2nd Jan	Fri 3rd Jan	Sat 4th Jan
8 -9am				Internal assessment Anatomy	Physiology IA	Internal assessment Biochemistry
9 – 10am				BI 3.6 DESCRIBE AND DISCUSS CONCEPT OF TCA CYCLE	AN 49.1 Describe & demonstrate the superficial & deep perineal pouch	PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva secretion. Integration with Biochemistry
10-11am				PY4.1 Describe the structure and functions of digestive system. Integration with Anatomy	SGT PY4.10 Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment	AETCOM Communication skills
11 – 1pm				BI 11.16 PROTEIN ELECTROPHORESIS	PY5.12 Record blood pressure & pulse at rest and in different postures in a volunteer or simulated environment	AN 49.3 Describe & demonstrate Perineal membrane in male & female

1-2 PM						

2- 4pm				AN 50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis	AN 51.2 Describe & identify the midsagittal section of male and female pelvis	Sports

Week 1 summary:

Anatomy –
Lecture – 1h
SGT/Practical – 6h
ECE -0
SDL 0

Physiology –
Lecture – 2h
SGT/Practical–3h
ECE - 0
SDL - 0

Biochemistry –
Lecture – 1h
SGT/Practical – 2h
ECE -0
SDL 0

CM–
Lecture 0
SGT/Practical 0
ECE 0
SDL 0

AETCOM 1h

Week 2 – 6th to 11th Jan

Time	Mon 6th	Tue 7th	Wed 8th	Thus 9th	Fri 10th	Sat 11th
8 -9am	Theory IA	PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of gastric secretion. Integration with Biochemistry	BI 3.9 MECHANISM AND SIGNIFICANCE OF BLOOD GLUCOSE REGULATION IN HEALTH AND DISEASE	AN 48.6 Describe the neurological basis of Automatic bladder	PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of intestinal juices secretion. Integration with Biochemistry	SDL Portal circulation
9 – 10am	Theory IA	AN 48.5 Explain the anatomical basis of suprapubic cystostomy, Urinary obstruction in benign prostatic hypertrophy, Retroverted uterus, Prolapse uterus, Internal and external haemorrhoids, Anal fistula, Vasectomy, Tubal pregnancy & Tubal ligation	CM lecture CM1.4 Describe and discuss the natural history of disease	BI 3.10 INTERPRET RESULTS OF BLOOD GLUCOSE LEVELS AND OTHER LABORATORY INVESTIGATIONS RELATED TO DISORDERS OF CARBOHYDRATE METABOLISM	AN 48.7 Mention the lobes involved in benign prostatic hypertrophy & prostatic cancer	ECE AN 74.4 Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia

10-11am	Theory IA	BI 3.5 REGULATION, FUNCTION AND INTEGRATION OF CARBOHYDRATE METABOLISM	AN 48.5 Explain the anatomical basis of suprapubic cystostomy, Urinary obstruction in benign prostatic hypertrophy, Retroverted uterus, Prolapse uterus, Internal and external haemorrhoids, Anal fistula, Vasectomy, Tubal pregnancy & Tubal ligation	PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of gastric secretion. Integration with Biochemistry	PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of pancreatic juices secretion. Integration with Biochemistry	ECE Jaundice case demonstration
11 – 1pm	PY5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis. Integration with General Medicine	BI 11.16 TLC AND PAGE	PY5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis. Integration with General Medicine	BI 6.8 DISCUSS AND INTERPRET RESULTS OF ABG IN VARIOUS DISORDERS BI 11.16 ABG ANALYSER	PY5.6 Describe abnormal ECG, arrythmias, heart block and myocardial Infarction. Integration with Anatomy and General Medicine	AN 49.4 Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa
1-2 PM						

2- 4pm	AN. 52.1 Describe & 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	AN. 52.1 Describe & 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	AN. 52.1 Describe & 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	AN 52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladderMale Reproductive System: Testis, Epididymis,Vas deferens, Prostate &penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix,placenta & Umbilical cord	AN 52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladderMale Reproductive System: Testis, Epididymis,Vas deferens, Prostate &penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix,placenta & Umbilical cord	Sports

Week 2 summary:

Anatomy –
Lecture – 4h
SGT/Practical – 12h
ECE -1h
SDL 0

Physiology –
Lecture – 2h
SGT/Practical–6h
ECE –1h
SDL–1h

Biochemistry –
Lecture – 3h
SGT/Practical – 4h
ECE -0
SDL0

CM–

Lecture 1
SGT/Practical 0
ECE 0
SDL 0

AETCOM 0h

Week 3 – 13th to 18th Jan

Time	Mon 13th	Tue 14th	Wed 15th	Thus 16th	Fri 17th	Sat 18th
8 -9am	AN 48.8 Mention the structures palpable during vaginal & rectal examination	PY4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre.	BI 4.2 DISGESTION AND ABSORPTION OF DIETARY LIPID	AN 50.4 Explain the anatomical basis of Scoliosis, Lordosis, Prolapsed disc, Spondylolisthesis & Spina bifida	PY4.4 Describe the physiology of digestion and absorption of nutrients. Integration with Biochemistry	AETCOM Communication skills Role play
9 – 10am	PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of bile secretion. Integration with Biochemistry	AN 49.5 Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure	CM lecture CM1.5 Describe the application of interventions at various levels of prevention	BI 4.2 OXIDATION OF FATTY ACID	AN 51.2 Describe & identify the midsagittal section of male and female pelvis	ECE AN 75.3 Describe the genetic basis & clinical features of Prader Willi syndrome, Edward syndrome & Patau syndrome
10-11am	AN 48.1 Describe & identify the muscles of Pelvic diaphragm	PY4.4 Describe the physiology of digestion and absorption of nutrients. Integration with Biochemistry	AN 50.3 Describe lumbar puncture (site, direction of the needle, structures pierced during the lumbar puncture)	PY4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre.	BI 4.2 KETONE BODY METABOLISM	ECE Charts for diagnosing different types of jaundice

11 – 1pm	PY5.6 Describe abnormal ECG, arrythmias, heart block and myocardial Infarction. Integration with Anatomy and General Medicine	BI 11.16 ELECTROLYTE ANALYSIS BY ISE	PY5.13 Record and interpret normal ECG in a volunteer or simulated environment. Integration with General Medicine	BI 3.8 DISCUSS AND INTERPRET LAB RESULTS OF ANALYTES ASSOCIATED WITH METABOLISM OF CARBOHYDRATES	PY5.13 Record and interpret normal ECG in a volunteer or simulated environment. Integration with General Medicine	AN 52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladderMale Reproductive System: Testis, Epididymis,Vas deferens, Prostate &penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix,placenta & Umbilical cord
1-2 PM						
2- 4pm	AN 52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladderMale Reproductive System: Testis, Epididymis,Vas deferens, Prostate &penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix,placenta & Umbilical cord	AN 53.2 Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet	AN 53.3 Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis	AN 53.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacralvertebra, types of bony pelvis & Coccyx)	AN 54.1 Describe & identify features of plain X ray abdomen	Sports

Week 3 summary:

Anatomy –
Lecture – 6h
SGT/Practical – 12h
ECE -1h
SDL 0

Physiology –
Lecture – 5h
SGT/Practical – 6h
ECE – 1h
SDL – 0h

Biochemistry –
Lecture – 3h
SGT/Practical – 4h
ECE -0
SDL 0

CM –
Lecture 1
SGT/Practical 0
ECE 0
SDL 0

AETCOM 1h

Week 4 – 20th to 25th Jan

Time	Mon 20th	Tue 21st	Wed 22nd	Thus 23rd No class Netaji birthday	Fri 24th	Sat 25th
8 -9am	AN 52.1 Describe & 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	PY4.5 Describe the source of GIT hormones, their regulation and functions	BI 4.2 METABOLISM OF CHOLESTEROL		PY4.6 Describe the Gut-Brain Axis	AETCOM Ethics case study
9 – 10am	PY4.5 Describe the source of GIT hormones, their regulation and functions	AN 52.1 Describe & 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	Practical CM1.10 Demonstrate the important aspects of the doctor patient relationship in a simulated environment		AN 52.1 Describe & 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	ECE AN 46.4 Explain the anatomical basis of Varicocoele

10-11am	AN 52.1 Describe & 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	BI 4.2 FATTY ACID SYNTHESIS	AN 52.1 Describe & 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		SDL Alcoholic hepatitis, Cirrhosis	ECE Charts for diagnosing different types of jaundice
11 – 1pm	PY5.14 Observe cardiovascular autonomic function tests in a volunteer or simulated environment	BI 4.5 |BI 4.7 INTERPRET LABORATORY RESULTS OF ANALYTES ASSOCIATED WITH METABOLISM OF LIPIDS	PY5.14 Observe cardiovascular autonomic function tests in a volunteer or simulated environment		PY5.15 Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or simulated environment	AN 54.2 Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography)
1-2 PM						

2- 4pm	AN 55.1 Demonstrate the surface marking of; Regions and planes of abdomen, Superficial inguinal ring, Deep inguinal ring , McBurney's point, Renal Angle & Murphy's point	AN 55.2 Demonstrate the surface projections of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Pancreas, Ileocaecal junction, Kidneys & Root of mesentery	AN 51.1 Describe & identify the cross-section at the level of T8, T10 and L1 (transpyloric plane)		AN 21.1 Identify and describe the salient features of sternum, typical rib, Ist rib and typical thoracic vertebra	Sports

Week 4 summary:

Anatomy –
Lecture – 5h
SGT/Practical – 10h
ECE -1h
SDL 0

Physiology –
Lecture – 3h
SGT/Practical – 6h
ECE – 1h
SDL – 1h

Biochemistry –
Lecture – 2h
SGT/Practical – 2h
ECE -0
SDL 0

CM –
Lecture
SGT/Practical 1
ECE 0
SDL 0

AETCOM 1h

Week 5 – 27th Jan to 1st Feb

Time	Mon 27th	Tue 28th	Wed 29th	Thus 30th No class Saraswati Puja	Fri 31st	Sat 1st feb
8 -9am	AN 52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder Male Reproductive System: Testis, Epididymis,Vas deferens, Prostate & penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix, Placenta & Umbilical cord	PY4.7 Describe & discuss the structure and functions of liver and gall bladder. Integration with Biochemistry	BI 4.3 REGULATION OF LIPOPROTEIN, METABOLISM OF ASSOCIATED DISORDERS		PY4.8 Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests. Integration with Biochemistry	SDL Types of gall stones

9 – 10am	PY4.7 Describe & discuss the structure and functions of liver and gall bladder. Integration with Biochemistry	AN 52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder Male Reproductive System: Testis, Epididymis,Vas deferens, Prostate & penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix, Placenta & Umbilical cord	Practical CM2.3 Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behavior		AN 52.6 Describe the development and congenital anomalies of: Foregut, Midgut & Hindgut	ECE AN 44.5 Explain the anatomical basis of inguinal hernia.
10-11am	AN 52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder Male Reproductive System: Testis, Epididymis,Vas deferens, Prostate & penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix, Placenta & Umbilical cord	BI 4.4 STRUCTURE AND FUNCTION OF LIPOPROTEIN, THEIR INTER-RELATION AND RELATION WITH ATHEROSCLEROSIS	AN 52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder Male Reproductive System: Testis, Epididymis,Vas deferens, Prostate & penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix, Placenta & Umbilical cord		SDL Treatment principles of peptic ulcer	ECE Case demonstration Chronic cholecystitis

11 – 1pm	PY5.15 Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or simulated environment	BI 11.8 ESTIMATION OF SERUM PROTEIN, ALBUMIN AND A:G RATIO	PY5.16 Record Arterial pulse tracing using finger plethysmography in a volunteer or simulated environment		Revision of examination of Cardiovascular Sysytem, blood pressure measurement, ECG	AN 21.1 Identify and describe the salient features of sternum, typical rib, Ist rib and typical thoracic vertebra
1-2 PM						
2- 4pm	AN 21.1 Identify and describe the salient features of sternum, typical rib, Ist rib and typical thoracic vertebra	AN 21.2 Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic vertebrae	AN 21.3 Describe & demonstrate the boundaries of thoracic inlet, cavity and outlet		AN 21.6 Mention origin, course and branches/ tributaries of: 1) anterior & posterior intercostal vessels 2) internal thoracic vessels	Sports

Week 5 summary:

Anatomy –
Lecture – 5h
SGT/Practical – 10h
ECE -1h
SDL 0

Physiology –
Lecture – 3h
SGT/Practical–6h
ECE – 1h
SDL–2h

Biochemistry –
Lecture – 2h

SGT/Practical – 2h
ECE -0
SDL 0

CM –
Lecture
SGT/Practical 1
ECE 0
SDL 0

AETCOM 0

Week 6 – 3rd to 8th Feb

Time	Mon 3rd	Tue 4th	Wed 5th	Thus 6th	Fri 7th	Sat 8th
8 -9am	AN 52.6 Describe the development and congenital anomalies of: Foregut, Midgut & Hindgut	PY4.9 Discuss the physiology aspects of: peptic ulcer, gastrooesophageal reflux disease. Integration with Biochemistry	BI 5.4 COMMON DISORDERS ASSOCIATED WITH PROTEIN METABOLISM	AN 52.5 Describe the development and congenital anomalies of Diaphragm	PY5.1 Describe the functional anatomy of heart including chambers, sounds; and Pacemaker tissue and conducting system. Integration with Anatomy	ECE

9 – 10am	PY4.8 Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests. Integration with Biochemistry	AN 52.6 Describe the development and congenital anomalies of: Foregut, Midgut & Hindgut	Practical CM6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data	BI 6.1 METABOLIC PROCESSES IN SPECIFIC ORGANS IN FED AND FASTING STATE	AN 52.7 Describe the development of Urinary system	ECE AN 44.5 Explain the anatomical basis of inguinal hernia.
10-11am	AN 52.6 Describe the development and congenital anomalies of: Foregut, Midgut & Hindgut	BI 5.3 DIGESTION AND ABSORPTION OF DIETARY PROTEINS	AN 52.6 Describe the development and congenital anomalies of: Foregut, Midgut & Hindgut	PY4.9 Discuss the physiology aspects of: Vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease. Integration with Biochemistry	PY5.1 Describe the functional anatomy of heart including chambers, sounds; and Pacemaker tissue and conducting system. Integration with Anatomy	ECE Hospital Visits- Respiratory Medicine- Spirometry
11 – 1pm	PY6.8 Demonstrate the correct technique to perform & interpret Spirometry. Integration with Respiratory Medicine	BI 11.10 ESTIMATION OF TG	PY6.8 Demonstrate the correct technique to perform & interpret Spirometry. Integration with Respiratory Medicine	BI 11.11 ESTIMATION OF CALCIUM AND PHOSPHATE	PY6.9 Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment	AN 21.11 Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum
1-2 PM						

2- 4pm	AN 22.1 Describe and demonstrate subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium	AN 22.2 Describe and demonstrate external and internal features of each chamber of heart	AN 22.3 Describe & demonstrate origin, course and branches of coronary arteries	AN 22.5 Identify & Mention the location and extent of thoracic sympathetic chain	AN 23.1 Describe & demonstrate the external appearance, relations, blood supply, nerve supply,lymphatic drainage and applied anatomy of oesophagus	Sports

Week 6 summary:

Anatomy –
Lecture – 6h
SGT/Practical – 12h
ECE -1h
SDL 0

Physiology –
Lecture – 5h
SGT/Practical – 6h
ECE – 1h
SDL – 0h

Biochemistry –
Lecture – 3h
SGT/Practical – 6h
ECE - 1
SDL 0

CM –
Lecture
SGT/Practical 1
ECE 0
SDL 0

AETCOM 0

Week 7 – 10th to 15th Feb

Time	Mon 10th	Tue 11th	Wed 12th	Thus 13th	Fri 14th	Sat 15th
8 -9am	AN 52.7 Describe the development of Urinary system	PY5.2 Describe the properties of cardiac muscle including its morphology & electrical functions.	BI 6.11 PROPHYRIN AND HAEM METABOLISM	AN 52.8 Describe the development of male & female reproductive system	PY5.2 Describe the properties of cardiac muscle including its mechanical and metabolic functions	PY5.4 Describe generation, conduction of cardiac impulse
9 – 10am	PY5.2 Describe the properties of cardiac muscle including its morphology & electrical functions.	AN 52.8 Describe the development of male & female reproductive system	SDL 1.NIDDCP	BI 6.2 NUCLEOTIDE METABOLISM	AN 54.3 Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen	ECE AN 22.4 Describe anatomical basis of ischaemic heart disease

10-11am	AN 52.7 Describe the development of Urinary system	CM practical CM6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation and presentation of statistical data	AN 52.8 Describe the development of male & female reproductive system	PY5.2 Describe the properties of cardiac muscle including its mechanical and metabolic functions	PY5.3 Events occurring during the cardiac cycle	ECE Hospital Visits-Respiratory Medicine-Spirometry
11 – 1pm	PY6.9 Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment	BI 11.12 ESTIMATION OF SERUM BILIRUBIN	PY6.10 Demonstrate the correct technique to perform measurement of peak expiratory flow rate in a normal volunteer or simulated environment	BI 11.13 ESTIMATION OF SGOT/SGPT	PY6.10 Demonstrate the correct technique to perform measurement of peak expiratory flow rate in a normal volunteer or simulated environment	AN 23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy
1-2 PM						
2- 4pm	AN 23.3 Describe & demonstrate origin, course, relations, tributaries and termination of superior venacava, azygos, hemiazygos and accessory hemiazygos vein	AN 23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta	AN 23.5 Identify & Mention the location and extent of thoracic sympathetic chain	AN 23.6 Describe the splanchnic nerves	AN 24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy	Sports

Week 7 summary:

Anatomy –
Lecture – 6h

SGT/Practical – 12h
ECE -1h
SDL 0

Physiology –
Lecture – 6h
SGT/Practical–6h
ECE – 1h
SDL–0h

Biochemistry –
Lecture – 2h
SGT/Practical – 4h
ECE - 1
SDL 0

CM–
Lecture
SGT/Practical 1
ECE 0
SDL 1h

AETCOM 0

Week 8 – 17th to 22nd Feb

Time	Mon 17th	Tue 18th	Wed 19th	Thus 20th	Fri 21st	Sat 22nd
8 -9am	AN 75.1 Describe the structural and numerical chromosomal aberrations	PY5.7 Describe and discuss haemodynamics of circulatory system	ECE	AN 21.7 Mention the origin, course, relations and branches of 1) atypical intercostal nerve 2) superior intercostal artery, subcostal artery	PY5.8 Describe and discuss local and systemic cardiovascular regulatory mechanisms	PY5.9 Describe the factors affecting heart rate, regulation of cardiac output

9 – 10am	PY5.4 Describe generation, conduction of cardiac impulse	AN 80.5 Describe role of placental hormones in uterine growth & parturition	SDL 2 2.I-NIPI	ECE	AN 21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints	AN 21.9 Describe & demonstrate mechanics and types of respiration
10-11am	AN 75.2 Explain the terms mosaics and chimeras with example	SDL	AN 21.5 Describe & demonstrate origin, course, relations and branches of a typical intercostal nerve	PY5.7 Describe and discuss haemodynamics of circulatory system	PY5.9 Describe the factors affecting heart rate, regulation of cardiac output	PY5.9 Describe the factors affecting blood pressure
11 – 1pm	PY 6.8 Revision of examination of Respiratory Sysytem, Spirometry	BI 11.14 ESTIMATION OF ALKALINE PHOSPHATASE	PY11.8 Discuss & compare cardio-respiratory changes in isometric exercise under different environmental conditions (heat and cold)	BI 5.5 INTERPRET LABORATORY RESULTS ASSOCIATED WITH METABOLISM OF PROTEINS	PY11.8 Discuss & compare cardio-respiratory changes in isometric exercise under different environmental conditions (heat and cold)	AN 24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate
1-2 PM						
2- 4pm	AN 25.1 Identify, draw and label a slide of trachea and lung	AN 25.7 Identify structures seen on a plain x-ray chest (PA view)	AN 25.9 Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart	AN 26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull	AN 26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	Sports

Week 8 summary:

Anatomy –
Lecture – 6h
SGT/Practical – 12h
ECE -0h
SDL 0

Physiology –
Lecture – 7h
SGT/Practical–6h
ECE – 0h
SDL–0h

Biochemistry –
Lecture – 0h
SGT/Practical – 4h
ECE - 2
SDL1

CM–
Lecture
SGT/Practical 0
ECE 0
SDL 1h

AETCOM 0

Week 9 – 24th to 29th Feb

Time	Mon 24th	Tue 25th	Wed 26th	Thus 27th	Fri 28th	Sat 29th

8 -9am	AN 23.7 Mention the extent, relations and applied anatomy of lymphatic duct	PY5.10 Describe coronary circulation. Integration with General Medicine	SDL	SDL AN 73.2 Describe technique of karyotyping with its applications	PY5.10 Describe pulmonary circulation. Integration with General Medicine	SGT PY9.7 Describe and discuss the effects of removal of gonads on physiological functions
9 – 10am	PY5.10 Describe & discuss regional circulation including microcirculation,lymphatic circulation, capillary, skin, and splanchnic circulation. Integration with General Medicine	AN 24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy	Practical CM6.4 Enumerate, discuss and demonstrate Common sampling techniques, simple statistical methods, frequency distribution, measures of central tendency and dispersion	ECE	SDL AN 73.3 Describe the Lyon's hypothesis	SDL AN 74.1 Describe the various modes of inheritance with examples
10-11am	AN 23.5 Identify & Mention the location and extent of thoracic sympathetic chain	SDL	SDL AN 73.1 Describe the structure of chromosomes with classification	PY5.10 Describe cerebral circulation. Integration with General Medicine	SGT PY9.6 Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages Integration with Obstetrics & Gynaecology,Community Medicine	SGT PY9.6 Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages. Integration with Obstetrics & Gynaecology,Community Medicine

11 – 1pm	PY11.8 Discuss & compare cardio-respiratory changes in isotonic exercise under different environmental conditions (heat and cold)	CM practical CM6.4 Enumerate, discuss and demonstrate Common sampling techniques, simple statistical methods, frequency distribution, measures of central tendency and dispersion	PY11.4 Describe and discuss cardio-respiratory and metabolic adjustments during exercise; physical training effects	BI 8.5 NUTRITIONAL IMPORTANCE OF COMMONLY USED FOOD BI 8.3 DIETARY ADVICE FOR OPTIMAL HEALTH IN CHILDHOOD AND ADULTS, DIABETES MELITUS, CORONARY ARTERY DISEASE AND PREGNANCY	PY11.5 Describe and discuss physiological consequences of sedentary lifestyle	AN 26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them
1-2 PM						
2- 4pm	AN 26.4 Describe morphological features of mandible	AN 26.5 Describe features of typical and atypical cervical vertebrae (atlas and axis)	AN 28.1 Describe & demonstrate muscles of facial expression and their nerve supply	AN 28.3 Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels	AN 28.6 Identify superficial muscles of face, their nerve supply and actions	Sports

Week 9 summary:

Anatomy –
Lecture – 3h
SGT/Practical – 12h
ECE -0h
SDL 4h

Physiology –
Lecture – 4h
SGT/Practical–9h
ECE – 0h
SDL–0h

Biochemistry –
Lecture – 0h
SGT/Practical – 2h
ECE – 1h
SDL 2h

CM –
Lecture
SGT/Practical 3h
ECE 0
SDL 1h

AETCOM 0

Week 10 – 2nd to 7th March

Time	Mon 2nd	Tue 3rd	Wed 4th	Thus 5th	Fri 6th	Sat 7th
8 -9am	AN 24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate	PY5.11 Describe the patho-physiology of shock, syncope	BI 6.6 BIOCHEMICAL PROCESS INVOLVED IN REGULATION OF ENERGY	AN 25.2 Describe development of pleura, lung & heart	PY6.1 Describe the functional anatomy of respiratory tract	SDL AN 74.2 Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance
9 – 10am	PY5.10 Describe & discuss foetal circulation. Integration with General Medicine	AN 25.1 Identify, draw and label a slide of trachea and lung	Lecture CM1.6 Describe and discuss the concepts, the principles of Health promotion and Education, IEC and Behavioral change communication (BCC)	ECE Semi-autoanalyser-demonstration	AN 25.2 Describe development of pleura, lung & heart	AN 25.2 Describe development of pleura, lung & heart
10-11am	AN 24.3 Describe a bronchopulmonary segment	BI 6.3 DISORDERS ASSOCIATED WITH NUCLEOTIDE METABOLISM BI 6.4 LABORATORY RESULTS ASSOCIATED WITH GOUT AND LESCH NYHAN SYNDROME	AN 25.2 Describe development of pleura, lung & heart	PY5.11 Describe the patho-physiology of heart failure	ATCOM Ethics	ECE Hospital Visits-Respiratory Medicine-Spirometry

11 – 1pm	PY9.9 Interpret a normal semen analysis report including (a) sperm count, (b) sperm morphology and (c) sperm motility, as per WHO	BI 6.13| BI6.14 |6.15 LIVER FUNCTIONS, LFT AND ABNORMALITIES	PY9.10 Discuss the physiological basis of various pregnancy tests.Integration with Obstetrics & Gynaecology	BI 6.13| BI6.14 |6.15 LIVER FUNCTIONS, LFT AND ABNORMALITIES	PY9.12 Discuss the common causes of infertility in a couple and role in managing a case of infertility.Integration with Obstetrics & Gynaecology	AN 28.9 Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance
1-2 PM						
2- 4pm	AN 29.1 Describe & demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid	AN 29.4 Describe & demonstrate attachments of 1) inferior belly of omohyoid, 2)scalenus anterior, 3) scalenus medius & 4) levator scapulae	AN 30.1 Describe the cranial fossae & identify related structures	AN 30.2 Describe & identify major foramina with structures passing through them	AN 30.3 Describe & identify dural folds & dural venous sinuses	Sports

Week 10 summary:

Anatomy –
Lecture 7h
SGT/Practical
12h ECE 0
SDL1
Assessment 0

Physiology
Lecture – 4h
SGT/Practical–
6h ECE -1
SDL 0
Assessment 0

Biochemistry

Lecture – 2h
SGT/Practical 4h
ECE 1h
SDL -0
Assessment 0

Community Medicine
Lecture –1
SGT/Practical 0
SDL 0

AET COM 1h

Week 11 - 9th to 14th March

Time	Mon 9th	Tue 10th Holi No class	Wed 11th	Thus 12th	Fri 13th	Sat 14th
8 -9am	AN 25.2 Describe development of pleura, lung & heart		BI 6.6 BIOCHEMICAL PROCESS INVOLVED IN REGULATION OF ENERGY	AN 25.6 Mention development of aortic arch arteries, SVC, IVC and coronary sinus	PY6.2 Describe alveolar surface tension, compliance, airway resistance	ECE AN 25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula
9 – 10am	PY6.2 Describe lung volume and capacities		Lecture CM1.7 Enumerate and describe health indicators	ECE Autoanalyser-demonstration	AN 25.6 Mention development of aortic arch arteries, SVC, IVC and coronary sinus	AN 27.1 Describe the layers of scalp, its blood supply, its nerve supply and surgical importance

10-11am	AN 25.2 Describe development of pleura, lung & heart		AN 25.6 Mention development of aortic arch arteries, SVC, IVC and coronary sinus	PY6.2 Describe the mechanics of normal respiration, pressure changes during ventilation	SGT PY 10.7 Describe and discuss functions of hypothalamus and its abnormalities. Integration with Psychiatry Human Anatomy	ECE Hospital Visits-Cardiology-Echocardiography
11 – 1pm	PY9.12 Discuss the common causes of infertility in a couple and role in managing a case of infertility.Integration with Obstetrics & Gynaecology		PY 10.7 Describe and discuss functions of thalamus and its abnormalities. Integration with Psychiatry Human Anatomy	BI 6.13| BI6.14 |6.15 KIDNEY FUNCTION, RFT AND ABNORMALITIES	PY 10.7 Describe and discuss functions of hypothalamus and its abnormalities. Integration with Psychiatry Human Anatomy	AN 32.1 Describe boundaries and subdivisions of anterior triangle
1-2 PM						
2- 4pm	AN 32.2 Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles		AN 33.1 Describe & demonstrate extent, boundaries and contents of temporal and infratemporal fossae	AN 33.2 Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication	AN 34.1 Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion	Sports

Week11 summary:

Anatomy –
Lecture 6h

SGT/Practical
10h ECE 1
SDL0
Assessment 0

Physiology
Lecture – 3h
SGT/Practical–
7h ECE -1
SDL 0
Assessment 0

Biochemistry

Lecture – 1h
SGT/Practical 2h
ECE 1h
SDL -0
Assessment 0

Community Medicine
Lecture –1
SGT/Practical 0
SDL 0

AET COM 0h

Week 12 - 16th to 21st March

Time	Mon 16th	Tue 17th	Wed 18th	Thus 19th	Fri 20th	Sat 21st

8 -9am	AN 27.2 Describe emissary veins with its role in spread of infection from extracranial route to intracranial venous sinuses	PY6.2 Describe ventilation, V/P ratio, diffusion capacity of lungs	BI 6.9 METABOLISM AND HOMEOSTASIS OF MINERALS	AN 28.5 Describe cervical lymph nodes and lymphatic drainage of head, face and neck	PY6.3 Describe and discuss the transport of respiratory gases: Oxygen	SDL AN 74.3 Describe multifactorial inheritance with examples
9 – 10am	PY6.2 Describe diffusion capacity of lungs	AN 28.2 Describe sensory innervation of face	Practical CM6.4 Enumerate, discuss and demonstrate Common sampling techniques, simple statistical methods, frequency distribution, measures of central tendency and dispersion	ECE Autoanalyser-demonstration	AN 28.8 Explain surgical importance of deep facial vein	AN 28.1 Describe & demonstrate muscles of facial expression and their nerve supply
10-11am	BI 6.5 FAT SOLUBLE VITAMINS	BI 6.6 WATER SOLUBLE VITAMINS	AN 28.4 Describe & demonstrate branches of facial nerve with distribution	PY6.3 Describe and discuss the transport of respiratory gases: Oxygen	AT COM Communication skills	ECE Hospital Visits-Cardiology-Echocardiography
11 – 1pm	PY11.1 Describe and discuss mechanism of temperature regulation	BI 6.13| BI6.14 |6.15 KIDNEY FUNCTION, RFT AND ABNORMALITIES	PY11.2 Describe and discuss adaptation to altered temperature (heat and cold)	BI 6.13| BI6.14 |6.15THYROID FUNCTIONS, THYROID FUNCTION TESTS AND ABNORMALITIES	PY11.3 Describe and discuss mechanism of fever, cold injuries and heat stroke	AN 35.2 Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland
1-2 PM						

2- 4pm	AN 36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate	AN 37.1 Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply	AN 37.1 Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply	AN 38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx	AN 38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx	Sports

Week 12 summary:

Anatomy –
Lecture 6h
SGT/Practical
12h ECE 0
SDL1
Assessment 0

Physiology
Lecture – 4h
SGT/Practical–
6h ECE -1
SDL 0
Assessment

0

Biochemistr

y

Lecture – 3h
SGT/Practical 4h
ECE 1h
SDL -0
Assessment 0

Community Medicine

Lecture – 0
SGT/Practical 1h
SDL 0

AET COM 1h

Week 13 – 23rd to 28th March

Time	Mon 23rd	Tue 24th	Wed 25th	Thus 26th	Fri 27th	Sat 28th
8 -9am	AN 30.4 Describe clinical importance of dural venous sinuses	PY6.6 Describe and discuss the pathophysiology of hypoxia	BI 8.1 IMPORTANCE OF VARIOUS DIETARY COMPONENTS AND IMPORTANCE OF DIETARY FIBRE	AN 31.4 Enumerate components of lacrimal apparatus	PY6.4, 6.5 Describe and discuss the physiology of high altitude breathing & acclimatization	SDL AN 75.4 Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia
9 – 10am	PY6.3 Describe and discuss the transport of respiratory gases: Carbon dioxide	AN 31.2 Describe & demonstrate nerves and vessels in the orbit	Practical CM6.4 Enumerate, discuss and demonstrate Common sampling techniques, simple statistical methods, frequency distribution, measures of central tendency and dispersion	ECE Hospital visit for Clinical Presentation of patient of Pre-hepatic Jaundice	AN 31.5 Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus	AN 33.3 Describe the features of dislocation of temporomandibular joint

10-11am	AN 31.1 Describe & identify extra ocular muscles of eyeball	BI 6.10 DISORDERS OF MINERAL METABOLISM	AN 31.3 Describe anatomical basis of Horner's syndrome	PY6.6 Describe and discuss the pathophysiology of hypoxia	ECE AN 25.4 Describe embryological basis of: 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula	ECE Visit to Dialysis Unit
11 – 1pm	PY 10.7 Describe and discuss functions of limbic system and its abnormalities. Integration with Psychiatry Human Anatomy	BI 6.13| BI6.14 |6.15THYROID FUNCTIONS, THYROID FUNCTION TESTS AND ABNORMALITIES	PY10.9 Describe and discuss the physiological basis of memory, learning and speech	BI 6.13| BI6.14 |6.15 ADRENAL FUNCTIONS, ADRENAL FUNCTION TEST AND ABNORMALITIES	PY10.9 Describe and discuss the physiological basis of memory, learning and speech	AN 39.1 Describe & demonstrate the morphology, nerve supply, embryological basis of nerve supply, blood supply, lymphatic drainage and actions of extrinsic and intrinsic muscles of tongue
1-2 PM						
2- 4pm	AN 39.1 Describe & demonstrate the morphology, nerve supply, embryological basis of nerve supply, blood supply, lymphatic drainage and actions of extrinsic and intrinsic muscles of tongue	AN 40.2 Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube	AN 41.1 Describe & demonstrate parts and layers of eyeball	AN 43.2 Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland, tongue, salivary glands, tonsil, epiglottis, cornea, retina	AN 43.2 Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland, tongue, salivary glands, tonsil, epiglottis, cornea, retina	Sports

Week 13 summary:

Anatomy –
Lecture 7h
SGT/Practical
12h ECE 1
SDL1
Assessment 0

Physiology
Lecture – 4h
SGT/Practical–
6h ECE -1
SDL 0
Assessment

0

Biochemistr

y

Lecture – 2h
SGT/Practical 4h
ECE 1h
SDL -0
Assessment 0

Community Medicine
Lecture – 0
SGT/Practical 1h
SDL 0

AET COM 0h

Week 14 – 30th March to 4th April

Time	Mon 30th	Tue 31st	Wed 1st April	Thus 2nd April	Fri 3rd	Sat 4th
8 -9am	AN 33.5 Describe the features of dislocation of temporomandibular joint	PY6.5 Describe and discuss the principles of artificial respiration, oxygen therapy	BI 8.4 CAUSES, EFFECTS AND HEALTH RISKS OF OBESITY	AN 35.1 Describe the parts, extent, attachments, modifications of deep cervical fascia	PY6.7 Describe and discuss lung function tests & their clinical significance	ECE AN 25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta
9 – 10am	PY6.4, 6.5 Describe and discuss the physiology of deep sea diving and decompression sickness	AN 34.1 Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion	Practical CM6.3 Describe, discuss and demonstrate the application of elementary statistical methods including test of significance in various study designs	ECE Hospital visit for Clinical Presentation of patient of Pre-hepatic Jaundice	AN 35.1 Describe the parts, extent, attachments, modifications of deep cervical fascia	AN 35.3 Demonstrate & describe the origin, parts, course & branches subclavian artery
10-11am	AN 33.1 Describe & demonstrate extent, boundaries and contents of temporal and infratemoral fossae	BI 8.2 TYPES AND CAUSES OF PEM	AN 34.2 Describe the basis of formation of submandibular stones	PY6.6 Describe and discuss the pathophysiology of dyspnoea, cyanosis asphyxia; drowning, periodic breathing	SGT PY10.12 Identify normal EEG forms	ECE Visit to Dialysis Unit

11 – 1pm	PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production	BI 6.13| BI6.14 |6.15 ADRENAL FUNCTIONS, ADRENAL FUNCTION TEST AND ABNORMALITIES	PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production	BI 11.16 ELISA AND IMMUNODIFFUSION	PY10.15 Describe and discuss functional anatomy of ear and auditory pathways.Integration with ENT	AN 43.2 Identify, describe and draw the microantomy of pituitary gland, thyroid, parathyroid gland, tongue, salivaryglands, tonsil, epiglottis, cornea, retina
1-2 PM						
2- 4pm	AN 43.2 Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland, tongue, salivary glands, tonsil, epiglottis, cornea, retina	AN 43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland	AN 43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea- organ of corti, pineal gland	AN 43.5 Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels	AN 43.6 Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein,External jugular vein, Facial artery in the face & accessory nerve	Sports

Week 14 summary:

Anatomy –
Lecture 7h
SGT/Practical 12h

ECE 1
SDL 0
Assessment 0

Physiology
Lecture – 4h
SGT/Practical –
7h ECE - 1
SDL 1
Assessment

0

Biochemistr

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Lecture – 2h
SGT/Practical 4h
ECE 1h
SDL -0
Assessment 0

Community Medicine
Lecture – 0
SGT/Practical 1h
SDL 0

AET COM 0h

Week 15 – 6th to 11th April

Time	Mon 6th	Tue 7th	Wed 8th	Thus 9th	Fri 10th Good Friday No class	Sat 11th
8 -9am	AN 35.4 Describe & demonstrate origin, course, relations, tributaries and termination of internal jugular & brachiocephalic veins	PY7.2 Describe the structure and functions of juxta glomerular apparatus	BI 9.2 INVOLVEMENT OF EXTRACELLULA R MATRIX COMPONENTS IN HEALTH AND DISEASE	AN 35.7 Describe the course and branches of IX, X, XI & XII nerve in the neck		SGT PY10.17 Describe and discuss functional anatomy of eye, image formation. Integration with Ophthalmology
9 – 10am	PY7.1 Describe structure and function of kidney	AN 35.6 Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain	Practical CM6.3 Describe, discuss and demonstrate the application of elementary statistical methods including test of significance in various study designs	ECE Hospital visit for Clinical Presentation of patient of Post-hepatic Jaundice		AN 35.7 Describe the course and branches of IX, X, XI & XII nerve in the neck
10-11am	AN 35.5 Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes	BI 9.1 COMPONENTS AND FUNCTIONS OF EXTRACELLULAR MATRIX	AN 35.7 Describe the course and branches of IX, X, XI & XII nerve in the neck	PY7.2 Describe the role of renin-angiotensin system		ECE Visit to Sleep lab

11 – 1pm	PY10.15 Describe and discuss functional anatomy of ear and auditory pathways.Integration with ENT	BI 11.16 ELISA AND IMMUNODIFFUSION	PY10.16 Describe and discuss pathophysiology of deafness. Describe hearing tests.Integration with ENT	BI 11.19 BASIC PRINCIPLES OF INSTRUMENTS COMMONLY USED IN THE BIOCHEMISTRY LABORATORY		AN 43.7 Identify the anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine-AP and lateral view 4) Plain xray of paranasal sinuses
1-2 PM						
2- 4pm	AN 57.1 Identify external features of spinal cord	AN 57.2 Describe extent of spinal cord in child & adult with its clinical implication	AN 58.1 Identify external features of medulla oblongata	AN 58.2 Describe transverse section of medulla oblongata at the level of 1) pyramidal decussation, 2) sensory decussation 3) ION		Sports

Week 15 summary:

Anatomy –
Lecture 6h
SGT/Practical
10h ECE 0
SDL 0
Assessment 0

Physiology
Lecture – 3h
SGT/Practical–
5h ECE -1
SDL 0
Assessment 0

Biochemistry

Lecture – 2h
SGT/Practical 4h
ECE 1h
SDL -0
Assessment 0

Community Medicine
Lecture – 0
SGT/Practical 1h
SDL 0

AET COM 0h

Week 16 - 13th to 18th April

Time	Mon 13th	Tue 14th No class New Year	Wed 15th	Thus 16th	Fri 17th	Sat 18th
8 -9am	Anatomy Theory IA		BI 9.3 PROTEIN TARGETTING AND SORTING AND ASSOCIATED DISORDERS	ECE AN 25.8 Identify and describe in brief a barium swallow	SDL Differences in skeletal muscle and cardiac muscle properties	SDL Interpretation of different electrophoresis patterns

9 – 10am	Physiology Theory IA		Practical CM 1.10 Demonstrate the important aspects of the Doctors patients relationship in a simulated enviornment	SDL ACR as an early indicator of renal damage in Diabetes mellitus	ECE AN 28.7 Explain the anatomical basis of facial nerve palsy	ECE AN 29.2 Explain anatomical basis of Erb's & Klumpke's palsy
10-11am	Biochemistry Theory IA		ATCOM Communication skills	PY7.3 Describe glomerular filtration	SGT PY10.17 Describe and discuss refractive errors. Integration with Ophthalmology	SDL Innervation of the heart
11 – 1pm	PY10.17 Describe and discuss physiology of vision . Integration with Ophthalmology		PY10.17 Describe and discuss physiology of colour vision, colour blindness. Integration with Ophthalmology	Practical IA	Practical IA	Practical IA
1-2 PM						
2- 4pm	AN 59.1 Identify external features of pons		AN 60.1 Describe & demonstrate external & internal features of cerebellum	AN 61.1 Identify external & internal features of midbrain	AN 61.2 Describe internal features of midbrain at the level of superior & inferior colliculus	Sports

Week 16 summary:

Anatomy –
Lecture 0h
SGT/Practical
8h ECE 3
SDL0

Assessment 3

Physiology
Lecture – 1h
SGT/Practical–
5h ECE -0
SDL 2
Assessment

3

Biochemistr

y

Lecture – 1h
SGT/Practical
0h ECE 0h
SDL - 2
Assessment 3

Community Medicine
Lecture – 0
SGT/Practical 1h
SDL 0

AET COM 1h

Week 17 - 20th to 25th April

Time	Mon 20th	Tue 21st	Wed 22nd	Thus 23rd	Fri 24th	Sat 25th

8 -9am	AN 35.9 Describe the clinical features of compression of subclavian artery and lower trunk of brachial plexus by cervical rib	PY7.3 Describe tubular reabsorption & secretion	BI 7.1 STRUCTURE OF DIFFERENT RNA'S	SDL AN 75.5 Describe the principles of genetic counselling	SDL Marey's law and its basis and contradictions	SGT PY10.19 Describe and discuss auditory evoke potentials. Integration with ENT
9 – 10am	PY7.3 Describe tubular reabsorption & secretion	AN 36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate	Practical CM 2.3 Describe and demonstrate in a simulated environment the assessment of barriers to good health and health seeking behabior	SDL Interpretation of different electrophoresis patterns	SDL Interpretation of different chromatography patterns	SGT PY10.19 Describe and discuss visual evoke potentials. Integration with Ophthalmology
10-11am	AN 35.1 Describe the parts, extent, attachments, modifications of deep cervical fascia	BI 7.1 STRUCTURE OF DNA	AN 36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate	PY7.3 Describe the mechanism of urine formation and concentrating and diluting urine	SGT PY10.20 Demonstrate Testing of visual acuity, colour and field of vision volunteer/ simulated environment	SDL Acceleration and deceleration effects on circulation
11 – 1pm	PY10.17 Describe and discuss physiology of pupillary and light reflex. Integration with Ophthalmology	BI 11.16 AUTOANALYZER	PY10.18 Describe and discuss the physiological basis of lesion in visual pathway. Integration with Ophthalmology	BI 11.16 AUTOANALYZER	PY10.20 Demonstrate Test for hearing volunteer/ simulated environment	AN 61.2 Describe internal features of midbrain at the level of superior & inferior colliculus
1-2 PM						

2- 4pm	AN 62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	AN 62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	AN 62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	AN 62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	AN 62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	Sports

Week 17 summary:

Anatomy –
Lecture 4h
SGT/Practical
12h ECE 0
SDL1
Assessment 0

Physiology
Lecture – 3h
SGT/Practical –
9h ECE - 0
SDL 2
Assessment

0

Biochemistr

y

Lecture – 2h
SGT/Practical
4h ECE 0h
SDL - 2
Assessment 0

Community Medicine

Lecture – 0
SGT/Practical 1h
SDL 0

AET COM 0h

Week 18 – 27th to 2nd May

Time	Mon 27th	Tue 28th	Wed 29th	Thus 30th	Fri 1st May No class	Sat 2nd May
8 -9am	AN 36.2 Describe the components and functions of Waldeyer's lymphatic ring	PY7.4 Describe & discuss the significance & implication of Renal clearance	SDL Interpretation of different chromatography patterns	AN 37.3 Describe anatomical basis of sinusitis & maxillary sinus tumours		SDL Carbon monoxide poisoning
9 – 10am	PY7.3 Describe the mechanism of urine formation and concentrating and diluting urine	AN 36.4 Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess	Practical CM 6.2 Describe and discuss the principles and demonstrate the methods of collection, classification, analysis, interpretation, and presentation of statistical data	SDL Units and their conversions		AN 39.2 Explain the anatomical basis of hypoglossal nerve palsy
10-11am	AN 36.3 Describe the boundaries and clinical significance of pyriform fossa	BI 7.2 REPLICATION OF DNA	AN 36.5 Describe the clinical significance of Killian's dehiscence	PY7.5 Describe the renal regulation of fluid and electrolytes & acid-base balance		SDL Second messenger

11 – 1pm	PY10.11 Demonstrate the correct clinical examination of the nervous system: 2nd cranial nerve in a normal volunteer or simulated environment	SDL 3.VIT.A PROPHYLAXIS PROGRAMME 4.MID DAY MEAL & OTHER PROGRAMMES	PY10.11 Demonstrate the correct clinical examination of the nervous system: 2nd cranial nerve in a normal volunteer or simulated environment	BI 11.15 DESCRIBE AND DISCUSS COMPOSITION OF CSF		BI 11.15 DESCRIBE AN) DISCUSS COMPOSITION OF CSF
1-2 PM						
2- 4pm	AN 62.3 Describe the white matter of cerebrum	AN 62.4 Enumerate parts & major connections of basal ganglia & limbic lobe	AN 62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus	AN 62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus		Sports

Week 18 summary:

Anatomy –
Lecture 6h
SGT/Practical
8h ECE 0
SDL0
Assessment 0

Physiology
Lecture – 3h
SGT/Practical –
4h ECE - 0
SDL 2

Assessment 0

Biochemistry

Lecture – 1h
SGT/Practical
4h ECE 0h
SDL - 2
Assessment 0

Community Medicine
Lecture – 0
SGT/Practical 1h
SDL 2

AET COM 0h

Summary of Block 2

Anatomy –
Lecture 91h
SGT/Dissection/
Practical 194h
ECE 12h
SDL 8h
Assessment 5h

Physiology
Lecture – 68h
SGT/Practical –
112h
ECE – 12h
SDL 10 h

Assessment 5h

Biochemistry

Lecture – 32h
SGT/Practical 60h
ECE10 h
SDL – 9h
Assessment 5h

Community Medicine
Lecture – 4h
SGT/Practical 14h
SDL 4h

AET COM 6h