

Total teaching hours for each subject for phase 1 as calculated from the time table (6 blocks)

| Subject | Total contact hours | Lecture | SGT including IT and SDL | DOAP | ECE | Assessments |
|--------------------|----------------------------|----------------|---------------------------------|-------------|------------|--------------------|
| Anatomy | 705 | 162 | 212 | 223 | 47 | 52 |
| Physiology | 467 | 140 | 151 | 72 | 42 | 50 |
| Biochemistry | 367 | 114 | 131 | 60 | 42 | 31 |
| Community medicine | 32 | | | | | |
| AETCOM | 23 | | | | | |

BLOCK 1

Basic concepts and hematology

NAT stands for Non aligned topic

ECE for early clinical exposure

FA for formative assessment

| Subject (Total hours) | No. of Lecture hrs. | SGT No(x3 hrs) | DOAP No(x2 hrs) | No. of integrated teaching hours@ | No of hrs SDL | #Others | SGT or IT that can be categorized under ECE* |
|-----------------------|---------------------|----------------|-----------------|-----------------------------------|---------------|--|--|
| Anatomy | 24 | 11 | 13 | 6 | 4 | ATCOM-2 hours. Formative assessment with feedback (Theory)- 2 hours. Block exam-2 hours | 6 (IT cum ECE) |
| Physiology | 15 | 9 | 12 | 6 | 6 | 1) Community medicine-2 hours. 2) Formative assessment with feedback (Theory)- 1 hour. 3) Formative assessment with feedback (DOAP)-2 hour. 4) Block Exam (physio)-2 hours. | 6 (IT cum ECE) |
| Biochemistry | 25 | 7 | 6 | 6 | 1 | Formative assessment with feedback (Theory)- 1 hour Block Exam- 2 hours | 6 (IT cum ECE) |

| WEEK 1 Day | 8.30-9.30AM | 9.30-10.30AM | | 11AM-1.PM | | 2-5.00 pm |
|-----------------------|--|---|-----------------------|---|--------------------|---|
| Monday 2/9/2019 | Sri Ganesh | | | Chaturthi | | Holiday |
| Tuesday 3/9/2019 | Anatomical terminology AN 1.1 | PY1.2 Homeostasis, PY1.5 (Transport mechanisms across cell membrane) | | Epithelium and types of Glands AN 65.1, 65.2 | (Cell)1.1 BI1.1 | L U N C H B1 batch -Histology Practical Epithelium-DOAP B2 - SGT Anatomical terminology A1 & A2 Physiology SGT PY1.1. & PY1.3,PY1.4 - Cell , Plasma membrane & inter cellular communication, Apoptosis |
| Wednesday 4/9/2019 | PY 1.6 Body fluid compartment, ionic composition and measurements | General features of skin and fascia AN 72.1, AN 4.1, 4.2 -4.4,4.5 | B R E A K | ATCOM-Cadaver as first teacher | | B2-Histology Practical Epithelium-DOAP B1 - SGT Anatomical terminology A1 & A2 Biochemistry SGT Fluid mosaic model (BI 1.1) |
| Thursday 5/9/2019 | Structure of bone and ossification AN 2.1,2.2,2.3 | PY2.1,PY2.2 Composition & function of Blood-including plasma proteins | B R E A K | Practical Cunningham's manual First 1-18 pages -DOAP | | A1-Histology Practical Epithelium-DOAP A2 - SGT -Anatomical terminology B1 & B2 Physiology SGT PY1.1. & PY1.3,PY1.4 - Cell , Plasma membrane & inter cellular communication, Apoptosis |
| Friday 6/9/2019 | PY 2.3, 2.4 Erythropoiesis & Hb | B (cell) BI1.1.2 | | A1 & A2 -Lab app11.1 (DOAP) | | A2-Histology Practical Epithelium DOAP A1 - SGT Anatomical terminology AN1.1 B1 & B2 Biochemistry SGT Fluid mosaic model BI1.1 |
| Saturday 7/9/2019 | BI 5.1 Structural organization of protiens (NAT) | Classification of Joints AN 2.5, 2.6 | | B1 & B2 -Lab app11.1 (DOAP) | | ANATOMY- SDL (Batch -A) Batch-B Physiology- PY1.6 -SDL/ Team based learning on Case on alterations in body fluid compartments and altered ionic imbalances – hypokalemia , hyponatremia & Hypocalcemia |

| WEEK 2 Day | 8.30-9.30AM | 9.30-10.30AM | 11AM-1.PM | | 2.00- 5 .00 pm |
|------------------------|---|--|--|--------------------|---|
| Monday 9/9/2019 | B15.2 5.2.1 classification of proteins(NAT) | Connective tissue and types - Histology AN 66.1, 66.2 | B1 Histology Prat Connective tissue DOAP B2 – Intro to General Anatomy SGT | | B2 Histology Practical Connective tissue DOAP B1 - Introduction to General Anatomy SGT A1 & A2 batch : PY1.7 (buffer systems) PY2.2 function of plasma proteins , starling forces etc –SGT |
| | | | A1 & A2 Buffers and estimation of pH.-11.2 | | |
| Tuesday 10/9/2019 | General features of muscles AN 3.1-3.3 | PY2.3 Hb synthesis, functions ,variants and breakdown | A1 Histo Pract Connective tissue DOAP A2 – Intro to Gent.Anat SGT | | A2 Histology Practical Connective tissue DOAP A1 - Introduction to General Anatomy SGT B1 & B2-5.1.2 denaturation and coagulation and disorders SDL |
| | | | B1-RBC count DOAP 2.11 B2-PCV ,HB & blood indices DOAP 2.11 | | |
| Wednesday 11/9/2019 | Formative assessment with Feedback (Theory)-Anatomy | Histology of Cartilage AN 2.4 | B1 Histo Pract Cartilage DOAP B2 – GA of Nervous System, Typical spinal Nerve -SGT | | B2 Histology Practical Cartilage DOAP B1 – GA of Nervous System, Typical spinal Nerve SGT B1 & B2 batch : PY1.7 (buffer systems) PY2.2 function of plasma proteins , starling forces etc –SGT |
| | | | A1 & A2 Buffers and estimation of pH.-11.2 | | |
| Thursday 12/9/2019 | General nervous system, typical spinal nerve AN 7.1 &7.4 | B15.2.2 Acute phase proteins | A1 Histology Practical Cartilage DOAP A2 – GA of Nervous System, Typical spinal Nerve SGT | | A2 Histology Practical Cartilage DOAP A1 - GA of Nervous System, Typical spinal Nerve SGT B1 & B25.1.2denaturation and coagulation and disorders |
| | | | B1-RBC count DOAP 2.11 B2-PCV ,HB & blood indices DOAP 2.11 | | |
| Friday 13/9/2019 | 2.5 Anemia | B15.2.3Haemoglobin and role of 2,3BPG | Gen. EMB 1- Intro, Stages- human life Gametogenesis AN 76.1, 76.2, 77.1-77.3 | PY 2.5 Jaundice | ECE – Anatomy : Genetics |
| Saturday 14/9/2019 | General features of CVS and Lymphatics AN 5.1-5.8, 6.1-6.3 | PY2.6. WBC-Granulopoiesis and regulation | Community Medicine posting | | Biochemistry – SDL Batch-A Physiology- PY1.6 -SDL/ Team based learning on Case on alterations in body fluid compartments and altered ionic imbalances – hypokalemia , hyponatremia & Hypocalcemia |

| WEEK 3 Day | 8.30-9.30AM | 9.30-10.30AM | 11AM-1.PM | | 2.00- 5.00 pm |
|------------------------|---|---|---|---|--|
| Monday 16/9/2019 | BI2.1 2.1.1Enzymes –mechanism OF ENZYME catalysis(NAT) | Histology of Bone AN 71.1, 71.2 | B1 Histo Pract Bone-DOAP B2 SGT Skeletal System | | B2 Histo Pract Bone DOAP B1 SGT Skeletal System |
| | | | A1 & A2-11.6 The principles of colorimetry | | A1 & A2 : SGT on jaundice & Erythrobastosis fetalis |
| Tuesday 17/9/2019 | Histology of Muscles AN 3.1 - 3.3, AN 67.1 - 67.3 | PY2.10 Immunity –Classification ,development and Regulation | A1 Histo Pract Bone-DOAP A2 SGT Skeletal System | | A2 Histo Pract Bone DOAP A1 SGT Skeletal System |
| | | | B1-TLC & Blood group-DOAP (PY2.11) B2- Platelet & Reticulocyte DOAP (PY2.13) | | B1 & B2 2.3.2 Enzyme specificity |
| Wednesday 18/9/2019 | Formative assessment with Feedback (Theory)- Physiology | General Embryology 2 – First week of development, ovulation to implantation AN 77.4-77.6, 78.1 – 78.3 | A1 Histo Pract Muscle-DOAPs A2 SGT Joins General Anatomy | | B2 Histo Pract Muscles DOAP B1 SGT Joins General Anatomy |
| | | | B1 & BA2-11.6 The principles of colorimetry | | B1 & B2 : SGT on jaundice & Erythrobastosis fetalis |
| Thursday 19/9/2019 | General Embryology 3 – 2 nd week of Dev. – Bilaminar Germ disc-AN 78.4, 78.5 | 2.1.2 classification(NAT) | A1 Histo Pract Muscles-DOAP A2 SGT Joins General Anatomy | | B2 Histo Pract Muscles DOAP B1 SGT Joins General Anatomy |
| | | | B2-TLC & Blood group-DOAP (PY2.11) B1- Platelet & reticulocyte DOAP (PY2.13) | | A1 & A2-2.3.2 Enzyme specificity |
| Friday 20/9/2019 | PY2.7 Platelets & functions and variations | 2.1.3 Coenzymes, cofactors(NAT) | PY2.8. Hemostasis Clotting mechanism and regulation-Part-1 | 2.3 Action of enzyme(Induced fit)(NAT) | ECE – Physiology -Clinician perspective of Anemia & Jaundice |
| Saturday 21/9/2019 | Third | | Saturday | | Holiday |

| WEEK 4 Day | 8.30-9.30AM | 9.30-10.30AM | 11AM-1.PM | | 2.00-5.00 pm | |
|------------------------|---|---|---|--|--|--|
| Monday 23/9/2019 | BI2.3.3 factors effecting enzyme activity(NAT) | Hist. Blood vessels AN 69.1 - 69.3 | B1 Histo Blood vessels DOAP B2 - Gen. embr. models (1) SGT | | B2 Histo Blood Vessels DOAP B1- General embryology models (1) SGT | |
| | | | A1 & A2 11.16 Ph Meter and ELISA | | A1 & A2 ECE- PHYSIOLOGY Visit to Blood bank & Interactive session with Transfusion medicine experts | |
| Tuesday 24/9/2019 | Hist.-Nerve tissue AN 68.1 - 68.3 | BI2.3.4Km and Vmax | A1 Histo Blood vessels DOAP A2 - Gen. embr. models (1) SGT | | A2 Histo Pract Blood vessels DOAP A1- General embryology models (1) SGT | |
| | | | DOAP (PY 2.11) B1=DLC-1 & B2= BT & CT | | B1 & B2 DENATURATION SGT | |
| Wednesday 25/9/2019 | Formative assessment with Feedback (Theory)-Biochemistry | Gen. Embr. 4 – 3 rd week Deve.-tril. disc An 79.1 – 79.2 | B R E A K | B1 & B2 Histo.–Nervous Tissue DOAP | | A1 & A2 Histo Pract Nervous Tissue DOAP |
| | | | | B1 & B2 -11.16 Ph Meter and ELISA DOAP | | B1 & B2 ECE – PHYSIOLOGY Visit to Blood bank & Interactive session with Transfusion medicine experts |
| Thursday 26/9/2019 | Gen. Embr. 5 – 3-8 Weeks : Embr. period -germ layers fate) AN 79.3-79.4 | 2.4 models of enzyme inhibition | K | B Histo. – Nervous Tissue DOAP | | A –ECE by Anatomy (Infertility & assisted reproduction) |
| | | | | DOAP (PY 2.11) A1=DLC-1 & A2= BT & CT | | B1 & B2 DENATURATION SGT |
| Friday 27/9/2019 | PY2.8 Anticoagulants Bleeding and Clotting disorders-part-2 | Gen.Embr. 6 - Neural Tube,Crest-Formation & Fate AN 79.5-79.6 | PY2.9 Blood group systems & transfusion | 2.4.2effects of inhibitors as poisons 2.4.3 Therapeutic agents(NAT) | Integrated slot ECE- Biochemistry .BI2.5 Clinical utility of various serum enzymes as markers of pathological conditions by General medicine specialist | |
| Saturday 28/9/2019 | 2.5 Clinical utility of various enymes(NAT) | Histology of lymphoid tissue AN 70.2 | PY2.8 fibrinolysis and clinical applications part-3 | 2.6 Enzyme in lab investigations(NAT) | Batch-B1 & B2 Physiology- PY2.8 -SDL/ Team based learning on Cases on Hemostasis and thrombolysis | |
| | | | | | Anatomy-SDL Batch A& B full batch Assignment | |

| WEEK 5 Day | 8.30-9.30AM | 9.30-10.30AM | 11AM-1.PM | | 2.00-5.00 pm |
|-----------------------|--|---|--|-----------------------|--|
| Monday 30/9/2019 | 3.1 3.1.1 Classification of carbohydrates (NAT) | General Embr. 7 -Amnion; yolk sac; allantois , Foldings of Embryo, Primitive gut formation AN 80.1,80.2 | B1 Histo.– Lymphoid Tissue DOAP B2 - Principles of radiography SGT A1 &A2 3.2.-Digestion and absorption of carbohydrates | | B2 Histology -Lymphoid Tissue DOAP B1 – SGT Principles of radiography A1 & A2 –Physiology Formative assessment in DOAP with feedback |
| Tuesday 1/10/2019 | Histology of skin AN 72.1 | PY 1.8 part -1 Molecular basis of RMP | A1 Histo -Lymphoid Tissue DOAP A2 - Principles of radiography SGT A1 batch DLC-2 (PY 2.11) DOAP A2- batch Case based hematology Q | L U N C H | A2 Histology Practical Lymphoid Tissue (DOAP) A1 - SGT Principles of radiography A1 & A2 ECE -3.2 Disorders associated with digestion and adsorption of carbohydrates |
| Wed. 2/10/2019 | Gandhi | | Jayanti | | Holiday |
| Thursday 3/10/2019 | Formative assessment with Feedback (Theory)-Anatomy | Amnion; yolk sac; allantois decidua, umbilical cord AN 80.1 – 80.3, 80.7 Histology of Placenta and Umbilical cord AN 52.2 Embryological basis of twinning -AN 80.4 – 80.6 | B1 Histo – Skin DOAP B2 - SGT General Embryology models (2) B1 & B2 3.2.-Digestion and absorption of carbohydrates | B R E A K | B2 Histology – Skin DOAP B1 - SGT General Embryology models (2) B1 & B2 – Physiology Formative assessment in DOAP with feedback |
| Friday 4/10/2019 | PY1.8 Part-2 Molecular basis of Action potential (part1) | 3.1.structure and composition of higher order of carbohydrates (NAT) | A1 Histo-Skin DOAP A2 -SGT General Embryology models (2) B1 DLC-2, (PY2.11) B2 -batch Case based hematology Q | | A2 Histology – Skin DOAP A1 - SGT General embryology models (2) B1 & B2 ECE BY BIOCHEMISTRY 3.2 Disorders associated with digestion and adsorption of carbohydrates |
| Saturday 5/10/2019 | 3.1 Clinical imp of carbohydrates(NAT) | Prenatal diagnosis An 81.1 – 81.3 | B1 Histo Pract placenta and umbilical cord-DOAP B2 - SGT embryology models (Rvsn) A1 & A2 3.3 fate of absorbed carbohydrates | | B2 Histo Practical placenta and umbilical cord DOAP B1 - SGT Revision of embryology models Batch-A1 & A2 Physiology- PY2.8 -SDL/ Team based learning on Cases on Hemostasis and thrombolysis |

| WEEK 6 Day | 8.30-9.30AM | 9.30-10.30AM | | 11AM-1.PM | | 2.00-5.00 pm | |
|------------------------|---|--|---|--|------------------------------|---|------------------|
| Monday 7/10/2019 | Maha Navami | | | Ayudha Pooja | | Holiday | |
| Tuesday 8/10/2019 | A1 Histology placenta and umbilical cord DOAP A2 - SGT Revision of embryology models | 6.9.1 Metabolism of bulk elements(NAT) | | A2 Histology placenta and umbilical cord DOAP A1 - SGT Revision of embryology models | L U N C H | 6.9.1 trace elements (NAT) | Biochemistry SDL |
| | PY1.8 B1 & B2 Action potential (part3) | | B1 & B2 – 3.3 fate of absorbed carbohydrates (NAT) | | | | |
| Wednesday 9/10/2019 | 6.10 Disorders associated with minerals(NAT) | B2 Histology Formative assessment in DOAP with feedback B1 - SGT Revision principles of radiography | B R E A K | A1 Histology Formative assessment in DOAP with feedback A2 - SGT Revision principles of radiography | B R E A K | Physiology Formative assessment in DOAP with feedback | |
| | | PY1.8 A1 & A2 Action potential (part-3) | | B1 & B2 – 11.18Spectrophotometer | | 11.3 B1 and B2 porphyria(SGT) | |
| Thursday 10/10/2019 | 11.1 and 11.2 Structure of heme and hem synthesis | Community Medicine | | A1 and A2 11.18Spectrophotometer | | Biochemistry SDL (Batch-B) | |
| | | | Physiology Formative assessment in DOAP with feedback | | A1and A2 11.3 porphyria(SGT) | | |
| Friday 11/10/2019 | BLOCK EXAM (Anatomy) | | | B batch B17 instruments commonly used and application (11.19) | | BLOCK EXAM (Biochemistry) | |
| | | | | Biochemistry SDL (Batch-A) | | | |
| Saturday 12/10/2019 | BLOCK EXAM (Physiology) | | | B17&B2 11.19 instruments commonly used | | BLANK | |
| | | | | BLANK | | | |

Block 2

Block 2: Proposed Time Table

| Days | 8.30 – 9.30 am | 9.30 –10.30 am | 11 am -1 pm | | 2 -5 pm |
|------------------|--|----------------|--------------------|-----------------------|----------------------------|
| Monday | Bio | Anat | DOAP-Anat | | A1 & A2 – Phy SGT |
| | | | | | B1 & B2 – Anat SGT -1 |
| Tuesday | Anat | Phy | DOAP-Anat | | A1 & A2 – Bio SGT |
| | | | | | B1 & B2 – Anat SGT – 2 |
| Wednesday | Bio | Anat | DOAP-Anat | L U N C H | A1 & A2 – Anat SGT -1 |
| | | | | | B1 & B2 – Phy SGT |
| Thursday | Anat | Phy | DOAP-Anat | | B1 & B2 – Bio SGT |
| | | | | | A1 & A2 – Anat SGT -2 |
| Friday | Formative Assessment and Feedback(FAFB) Theory | | Bio DOAP – Batch A | | ECE/ Integration/AETCOM |
| | | | Phy DOAP– Batch B | | |
| Saturday | Anat | Phy | Bio DOAP – Batch B | | SDL |
| | | | Phy DOAP –Batch A | | |

Note: 1 SDL per week & Block exam in the end

Week - 1

| Date | 8.30 – 9.30 am | 9.30 –10.30 am | 11 am -1 pm | 2 -5 pm |
|---|---|---------------------------------|--------------------------------------|--|
| 21.10.19 | Bio –BI9.1 | Pectoral region (AN9.1, 10.11) | DOAP-Pectoral region (AN9.1, 10.11) | A1 & A2 – Phy SGT RMP AP(1.8) B1 & B2 – Clavicle & Scapula (AN8.1, 8.2, 8.3, 8.4) |
| 22.10.19 | Axilla – 1 (AN10.1) | Phy-Function of Neuron(3.1) | DOAP-Axilla (AN10.1) | A1 & A2 – ECE Bio SGT BI9.2 Involvement of ECM components in health and disease.e.g: Cancer ,tissue aging etc. B1 & B2 – Humerus (AN8.1, 8.2, 8.3, 8.4) |
| 23.10.19 | Bio :BI10.4 -NAT | Axilla – 2 (AN10.3, 10.5, 10.6) | DOAP-Axilla (AN10.3, 10.5, 10.6) | A1 & A2 – Clavicle & Scapula (AN8.1, 8.2, 8.3, 8.4) B1 & B2 – Phy SGT RMP AP(1.8) |
| 24.10.19 | Back & shoulder (AN10.8, 10.10, 10.12, 10.13) | Phy-Classifn of nerve (3.2) | DOAP-Back & shoulder (AN10.8, 10.9) | B1 & B2 – ECE Bio SGTBI9.2 Involvement of ECM components in health and disease.e.g: Cancer ,tissue aging etc. A1 & A2 – Humerus 9AN8.1, 8.2, 8.3, 8.4) |
| 25.10.19 | Formative Assessment and Feedback(FAFB) Theory ANATOMY | | Bio DOAP– Batch A BI11.8 | ECE : – physiology & Genetics (muscular dystrophy: Myopathy) PY3.13 |
| Phy SGT – Batch B - S-D curve (PY 3.17) | | | | |
| 26.10.19 | Arm (AN11.1, 11.2) | Phy Phy-Properties-nerve (3.2) | Bio DOAP – Batch B BI11.8 | SDL-Anatomy- |
| | | | Phy SGT –Batch A--S-D curve(PY 3.17) | |

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Week - 2

| Date | 8.30 – 9.30 am | 9.30 –10.30 am | 11 am -1 pm | 2 -5 pm |
|----------|---|---------------------------------|--|---|
| 28.10.19 | Bio : BI10.5 -NAT | Shoulder joint (AN10.12) | DOAP-Back & Shoulder (AN10.10, 10.13) | A1 & A2 – Phy-Properties of nerve(3.2) |
| | | | | B1 & B2 – Radius & Ulna (AN8.1, 8.2, 8.3, 8.4) |
| 29.10.19 | Front of forearm (AN12.1, 12.2) | Phy-Nerve Inj (3.3) | DOAP-Arm (AN11.1, 11.2, 11.4) | A1 & A2 – ECE Bio SGT BI10.3 Innate and adaptive immune responses, self/non-self recognition and the central role of T-helper cells in immune responses.-NAT |
| | | | | B1 & B2 – Articulated hand (AN8.5, 8.6) |
| 30.10.19 | Bio: CBL | Cubital fossa (AN11.3, 11.5) | DOAP-Forearm (AN12.1, 12.2) | A1 & A2 – Radius & Ulna (AN8.1, 8.2, 8.3, 8.4) |
| | | | | B1 & B2 – Phy SGT-Properties of nerve(3.2) |
| 31.10.19 | Hand – 1 (AN12.5, 12.6, 12.9) | Phy-Classifin of muscle(PY3.7) | DOAP-Forearm (AN12.3, 12.4) | B1 & B2 – ECE Bio SGT: BI10.3 Innate and adaptive immune responses, self/non-self recognition and the central role of T-helper cells in immune responses. NAT |
| | | | | A1 & A2 – Articulated hand (AN8.5, 8.6) |
| 1.11.19 | KANNADA RAJYOTSAVA – HOLIDAY | | | |
| 2.11.19 | Hand -2 (AN 12.7, 12.8, 12.10, 12.12, 12.13) | Phy-NMJ-1(PY3.4) | Bio DOAP – Batch B BI11.11 | SDL- |
| | | | Phy DOAP –Batch A-amphibian exps(3.18)(1) | |

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Week - 3

| Date | 8.30 – 9.30 am | 9.30 – 10.30 am | 11 am -1 pm | 2 -5 pm |
|---------|--|--|--|---|
| 4.11.19 | Bio: BI6.5 | Nerves of upper limb (AN10.13, 11.4, 12.4, 12.8, 12.13) | DOAP-Hand (AN12.5, 12.6, 12.9) | A1 & A2 – Phy SGT-Nerve Inj (3.3) B1 & B2 – surface marking – UL (AN13.6, 13.7) |
| 5.11.19 | Other joints of upper limb (AN13.3, 13.4) | Phy – NMJ-2(PY3.5,PY 3.6) | DOAP-Hand (AN 12.7, 12.8, 12.10, 12.14, 12.15) | A1 & A2 – Bio SGT BI5.2 B1 & B2 – Radiology – UL (AN13.5) |
| 6.11.19 | Bio BI6.5 | Development of upper limb (AN13.8) | Formative Assessment and Feedback(FAFB)-DOAP-Practical-Anatomy-Table test | A1 & A2 – surface marking – UL (13.6, 13.7) B1 & B2 – Phy SGT-Nerve Inj (3.3) |
| 7.11.19 | Front of thigh (AN15.1, 15.2, 15.3) | Phy-Muscle A.P (PY 3.8)(1) | DOAP-Front of thigh (AN15.1,15.3) | B1 & B2 – Bio SGT: BI5.2 A1 & A2 – Radiology – UL (AN13.5) |
| 8.11.19 | Formative Assessment and Feedback(FAFB) Theory PHYSIOLOGY | | Bio DOAP – Batch A BI11.16 | ECE– orthopaedics – OR2.1, 2.2,2.3, 2.6 (Injuries, clinical features, & management of upper limb bones & joints) |
| | | | Phy DOAP– Batch B-amphibian exps(3.18)(1) | |
| 9.11.19 | Medial compartment of thigh (AN15.5) | Phy-Muscle A.P (PY 3.8)(2) | Bio DOAP – Batch B BI11.16 | SDL |
| | | | Phy DOAP –Batch A amphibian exps(3.18)(2) | |

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Week - 4

| Date | 8.30 – 9.30 am | 9.30 –10.30 am | 11 am -1 pm | | 2 -5 pm |
|----------|--|---|---|---|---|
| 11.11.19 | Bio :BI6.9 | Gluteal region (AN16.1, 16.3) | DOAP-Front of thigh (AN15.2, 15.4) | L U N C H | A1 & A2 – Phy-NMJ (PY 3.4,3.5,3.6) |
| | | | | | B1 & B2 – Hip bone & femur (AN14.1, 14.2, 14.3) |
| 12.11.19 | Hip joint (AN17.1, 17.2, 17.3) | Phy-Muscle contraction (PY 3.9) | DOAP-Medial compartment of thigh & adductor canal (AN15.5) | | A1 & A2 – Bio SGT BI2.5 |
| | | | | | B1 & B2 – Tibia & fibula (AN14.1, 14.2, 14.3) |
| 13.11.19 | Bio: BI 6.9 | Back of thigh & popliteal fossa (AN16.4, 16.6) | DOAP-Gluteal region (16.1, 16.2) | | A1 & A2 – Hip bone & femur (AN14.1, 14.2, 14.3) |
| | | | | | B1 & B2 – Phy-NMJ (PY 3.4,3.5,3.6) |
| 14.11.19 | Knee joint (AN18.4, 18.5, 18.6, 18.7) | Phy-E-C coupling (PY 3.9) | DOAP-Gluteal region (AN16.3) | B1 & B2 – Bio SGT BI2.5 | |
| | | | | A1 & A2 – Tibia & fibula (AN14.1, 14.2) | |
| 15.11.19 | Continuous Assessment Theory- <i>BIOCHEMISTRY</i> | | Bio DOAP – Batch A BI11.11 | | ECE--NMJ (Pharmacology/Anaesthesia) Myasthenia Gravis- PY 3.5 |
| | | | Phy DOAP – Batch B amphibian exps(3.18)(2) | | |
| 16.11.19 | 3 rd SATURDAY - HOLIDAY | | | | |

Week - 5

| Date | 8.30 – 9.30 am | 9.30 – 10.30 am | 11 am -1 pm | 2 -5 pm |
|--|---|---|---|---|
| 18.11.19 | Bio: BI 6.9 | Anterior compartment of leg & dorsum of foot (AN18.1, 18.2, 18.3) | DOAP-Back of thigh & Popliteal fossa (AN16.4, 16.5, 16.6) | A1 & A2 – Phy SGT-Muscle Contraction(3.9,3.10) B1 & B2 – Articulated foot (AN14.4) |
| 19.11.19 | Back of leg & sole (AN19.1, 19.3) | Phy- type of muscle contractions (PY 3.10) | DOAP-Anterior compartment of leg (AN18.1, 18.2) | A1 & A2 – Bio SGT: BI3.5 B1 & B2 – Surface marking & radiology (AN20.6, 20.7, 20.9) |
| 20.11.19 | Bio BI6.10 | Arches of foot (AN19.5, 19.6, 19.7) | DOAP-Dorsum of foot (AN18.2, 18.3) | A1 & A2 – Articulated foot (14.4) B1 & B2 – Phy SGT-Muscle Contraction(3.9,3.10) |
| 21.11.19 | Development of lower limbs (AN20.10) | Phy-Gradation of muscular activity (PY 3.12) | DOAP-Back of leg (AN19.1, 19.2, 19.3) | B1 & B2 – Bio SGT: BI3.5 A1 & A2 – Surface marking & radiology (AN20.6, 20.7, 20.9) |
| 22.11.19 | Continuous Assessment Theory - ANATOMY | | Bio DOAP – Batch A Revision with CBL | ECE – orthopaedics – OR2.9, 2.10, 2.12, 2.15 (Plan & interpret investigations to diagnose complications of fractures and compartment syndromes) |
| Phy DOAP – Batch B-B amphibian exps(3.18)(3) | | | | |
| 23.11.19 | Other joints of lower limb (AN20.1, 20.2) | Phy—Comparison of Contraction(PY 3.9) | Bio DOAP – Batch B Revision with CBL | SDL |
| Phy DOAP – Batch A B amphibian exps(3.18)(3) | | | | |

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Week - 6

| Date | 8.30 – 9.30 am | 9.30 – 10.30 am | 11 am -1 pm | | 2 -5 pm |
|----------|--|--|--|-----------------------|--|
| 25.11.19 | Bio:BI3.4 | Scalp (AN27.1, 27.2) | Formative Assessment and Feedback (FAFB) –Anatomy-DOAP TABLE TEST – SPOTTERS | | A1 & A2 – Phy SGT-Comparison of Contraction(PY 3.9) B1 & B2 – Skull bones identification & lateralis (AN26.1, 26.2) |
| 26.11.19 | Muscles of facial expression (AN28.1, 28.4, 28.7) | Phy-Phy-Muscle dystrophy (PY 3.13) | DOAP-Muscles of facial expression (AN28.1, 28.2, 28.4, 28.7) | L U N C H | A1 & A2 – Bio SGT CBL B1 & B2 – Norma basalis (AN26.2) |
| 27.11.19 | Bio : BI3.4 | Deep cervical fascia (AN35.1) | DOAP-Posterior triangle of neck (AN29.1, 29.2, 29.3) | | A1 & A2 – Sull bone identification & lateralis (AN26.1, 26.2) B1 & B2 – Phy SGT-Comparison of Contraction(PY 3.9) |
| 28.11.19 | Posterior triangle of neck (AN29.1, 29.2, 29.3) | Phy- muscle metabolism (PY 3.11) | DOAP-Posterior triangle of neck (AN29.4) | | B1 & B2 – Bio SGT CBL A1 & A2 – Norma basalis (AN26.2) |
| 29.11.19 | Continuous Assessment PHYSIOLOGY | | Bio DOAP – Batch A BI11.21 | | AETCOM Module Foundations of Communication |
| | | | Phy DOAP – Batch B-ergography (PY 3.14) | | |
| 30.11.19 | Anterior triangle of neck (AN32.1, 32.2) | Phy-organization of nervous system(10.1) | Bio DOAP – Batch B BI11.21 | | |
| | | | Phy DOAP – Batch A--ergography (PY 3.14) | SDL for AETCOM | |

Week - 7

| Date | 8.30 – 9.30 am | 9.30 – 10.30 am | 11 am -1 pm | 2 -5 pm |
|---------|---|---|---|--|
| 2.12.19 | Bio BI3.4 | Temporal & infratemporal fossa (AN33.1, 33.2) | DOAP-Anterior triangle of neck (AN32.1, 32.2) | A1 & A2 – Phy-Pract-general examination (11.13) B1 & B2 – Cervical vertebrae & Mandible (AN26.4, 26.5, 26.6, 26.7) |
| 3.12.19 | Temporomandibular joint (AN33.3, 33.5) | Phy-structure and functions of ANS(10.5) | DOAP-Temporal & infratemporal fossa (AN33.1) | L U N C H |
| 4.12.19 | Bio BI3.7 | FAFB theory Head & Neck | DOAP-Temporal & infratemporal fossa (AN33.2) | |
| 5.12.19 | Muscles of anterior abdominal wall (AN44.2, 44.3, 44.4, 44.6, 52.4) | Phy-structure and functions of ANS(10.5) | DOAP-Muscles of anterior abdominal wall (AN44.2, 44.3, 44.4, 44.6) | A1 & A2 – Cervical vertebrae & Mandible (AN26.4, 26.5, 27.6, 26.7) B1 & B2 – Phy Practl-general examination (11.13) |
| 6.12.19 | Formative Assessment and Feedback(FAFB) Theory BIOCHEMISTRY | | Bio – Batch A Formative Assessment and Feedback(FAFB)-Practical-DOAP | B1 & B2 – Bio SGT Revision |
| | | | Formative Assessment and Feedback(FAFB) DOAP - Phy – Batch B | A1 & A2 – Surface making & radiology (AN43.2, 43.7) |
| 7.12.19 | Inguinal canal (AN44.4, 44.5) | Phy-Student Presentation | Bio –Batch B-Formative Assessment and Feedback(FAFB)-Practical-DOAP | Community Medicine |
| | | | Formative Assessment and Feedback(FAFB)-DOAPI Phy – Batch A | |
| | | | | SDL |

Week - 8

| Date | 8.30 – 9.30 am | 9.30 –10.30 am | 11 am -1 pm | 2 -5 pm |
|----------|--|---|--|--|
| 9.12.19 | Bio BI3.8 | Posterior abdominal wall AN45.2, 45.3 | DOAP-Inguinal canal AN44.4, 44.5 | A1 & A2 – Phy DOAP-blood pressure (5.12) B1 & B2 –Lumbar vertebrae, surface marking & radiology of abdomen (AN53.1) |
| 10.12.19 | Vertebral column AN50.1, 50.2, 50.4 | Phy-Student Presentation | DOAP-Posterior abdominal wall AN45.1, 45.2, 45.3 | A1 & A2 – Lumbar vertebrae, surface marking & radiology of abdomen (AN53.1) B1 & B2 – Phy DOAP-blood pressure (5.12) |
| 11.12.19 | Bio Formative Assessment and Feedback(FAFB)- Theory | Case discussion related to block 2 - anatomy | Formative Assessment and Feedback(FAFB) –Anatomy-DOAP TABLE TEST – BLOCK 2 SPOTTERS | |
| 12.12.19 | <i>ANATOMY – BLOCK TEST - 50 MARK WRITTEN EXAM</i> | | | |
| 13.12.19 | <i>PHYSIOLOGY – BLOCK TEST</i> | | | |
| 14.12.19 | <i>BIOCHEMISTRY – BLOCK TEST</i> | | | |

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Total number of teaching learning contact hours.

| Subjects | No. of Lecture hrs. | No. of SGT hrs. | No. of DOAP hours | No. of integrated teaching hours | No of SDL | Otherss | No of skills | No of early clinical exposure hours |
|-----------------------|---------------------|-----------------|-------------------|----------------------------------|-----------|---------|--------------|-------------------------------------|
| Anatomy (160 hrs) | 35 | 45 | 56 | 6 | 8 | 10 | 4 | 6 |
| Physiology (66 hrs) | 21 | 20 | 14 | 3 | 2 | 6 | 4 | 6 |
| Biochemistry (57 hrs) | 16 | 18 | 14 | - | 3 | 6 | - | 6 |

Cardiorespiratory

Block 3

| Subject (Total hours) | No. of Lecture hrs. | SGT No(x3 hrs) | DOAP No(x2 hrs) | No. of integrated teaching hours @ | No of hrs SDL | #Others | SGT or IT that can be categorised under ECE* |
|------------------------------|----------------------------|-----------------------|------------------------|---|----------------------|---|---|
| Anatomy(--hrs) | 25 | 21 | 34 | 6 | 1 | FA theory-2X1hrs=2, DOAP-1X2hrs=2 CA theory- 1X3hrs=3, DOAP-3X2hrs=6 | 8hrs |
| Physiology(--hrs) | 27 | 18 | 20 | 6 | 2 | FA theory-2X1hrs=2, DOAP-1X2hrs=2 CA theory- 2X3hrs=6, DOAP-3X2hrs=6 | 6hrs |
| Biochemistry(--hrs) | 16 | 24 | 6 | 6 | 1 | FA theory-2X1hrs=2, DOAP-1X2hrs=2 CA theory-1X3hrs=3 , DOAP-2X2hrs=4 | 6hrs |
| AETCOM | | | | | | 2hrs | |
| Community Medicine | | | | | | 2hrs | |

Week 1

| | 8:30-9:30 am | 9:30-10:30 am | 11:00-1:00pm | 1:00-2:00 pm | 2:00-5:00pm | |
|-----------------------|---|---|--|--------------|---|--|
| Monday 6/1/2020 | Anatomy lecture (nose and paranasal sinuses) (AN 37.1, 37.2,37.3) | Physio lecture (6.1)-Functional anatomy | Anatomy DOAP(nose) (AN 37.1) | Lunch | Anatomy lecture (larynx) (AN 38.1, 38.2) | Biochem lecture 2.7 NAT (enzyme activities & describe the clinical utility of various enzymes as markers of pathological conditions). |
| Tuesday 7/1/2020 | Physio lecture (6.2)- Mechanism of ventilation (1) | Biochem lecture(4.1 main classes of lipids) | Anatomy DOAP (larynx) (AN 38.1) | Lunch | Biochem lecture 1 (4.2 processes involved in digestion and absorption of dietary lipids) | Anatomy lecture (larynx) (AN 38.3) |
| Wednesday 8/1/2020 | Anatomy lecture (Thoracic wall) (AN 21.3-21.4,21.6,21.7) | Physio lecture (6.2) Mechanism of ventilation - (2) | Phy 6.2 (SGT-Mechanics)/SGT (biochem) (2.4 enzyme inhibitors as poisons and drugs and as therapeutic enzymes) NAT | Lunch | Anatomy DOAP (larynx) (AN 38.1) | |
| Thursday 9/1/2020 | Anatomy Test (10) theory FA with feedback | Physio lecture (6.2) Mechanism of ventilation - (3) | Phy 6.2 (SGT-Mechanics)/SGT (biochem) (2.4 enzyme inhibitors as poisons and drugs and as therapeutic enzymes) NAT | Lunch | Anatomy DOAP (Thoracic wall) (AN 21.4, 21.5, 21.6,24.4,47.13) | |
| Friday 10/1/2020 | Physio lecture (6.2) Mechanism of ventilation - (4) | Anatomy lecture (Diaphragm) (AN 24.4,47.13,47.14, 52.5) | Phy 6.9 (DOAP-RS examination-1)/ (Anat SGT(X-Ray chest, diaphragm) (21.1, 21.2, 21.8, 21.10) | Lunch | Early clinical Exposure (CBL) integrated teaching Brochial Asthma – linker case | |
| Saturday 11/1/2020 | Anatomy lecture (lung) (AN 24.1) | Physio lecture (6.3)-Gas transport, regulation (1) | Phy 6.9 (DOAP-RS examination) / Anat SGT(X-Ray chest, diaphragm) (21.1, 21.2, 21.8, 21.10) | Lunch | SDL PHYSIOLOGY | Sports and Extracurricular activities |

Week 2

| | 8:30-9:30 am | 9:30-10:30 am | 11:00-1:00pm | 1:00-2:00pm | 2:00-5:00pm |
|------------------------|---|--|--|-------------|--|
| Monday 13/1/2020 | Physio lecture (6.3)-Gas transport, regulation (2) | Anatomy lecture (histo respiratory) (AN 25.1, 43.2,43.3) (olfactory epithelium, epiglottis, trachea, lung) | Biochem DOAP11.9 (estimation of serum total cholesterol and HDL- Cholesterol)/(Anat histo (25.1)/ Anatomy table test (10 marks) FA (DOAP)) | Lunch | Biochem DOAP 11.9 (estimation of serum total cholesterol and HDL- Cholesterol)/(Anat histo (25.1) /(Anatomy table test (10 marks) FA (DOAP))) |
| Tuesday 14/1/2020 | Anatomy lecture (lung) (AN 24.2,24.3,24.5,24.6) | Physio lecture (6.3)-Gas transport, regulation (3) | Phy 6.8 (DOAP-spirometry - 1)/(Anat histo (25.1)/ Anatomy table test (10 marks) FA (DOAP)) | Lunch | Phy 6.8 (DOAP-spirometry -1)/(Anat histo (25.1)/ Anatomy table test (10 marks) FA (DOAP)) |
| Wednesday 15/1/2020 | Physio lecture (6.3)-Gas transport, regulation (4) | Anatomy lecture (development of lung) (AN 25.2) | Anatomy DOAP (lung) (AN 24.2) | Lunch | Phy 6.8 (DOAP-spirometry-2) and 6.10 (DOAP-PEFR) /Anat SGT (lung surface marking) |
| Thursday 16/1/2020 | Physio Test MCQs (10 marks) Theory FA with feedback) | Anatomy lecture 1 (Heart) (AN 22.1) | Anatomy DOAP (lung) (AN 24.2) | Lunch | Phy 6.8 (DOAP-spirometry-2) and 6.10 (DOAP-PEFR) /Anat SGT (lung surface marking) |
| Friday 17/1/2020 | Anatomy lecture 2 (Heart) (AN 22.2) | Physio lecture (6.4)-High altitude, deep sea | Anatomy DOAP (heart) (AN 22.1) | Lunch | Early clinical Exposure (CBL) integrated teaching – pulmonary tuberculosis case |
| Saturday 18/1/2020 | Third Saturday | | | | |

Week 3

| | 8:30-9:30 am | 9:30-10:30 am | 11:00-1:00pm | 1:00-2:00pm | 2:00-5:00pm | |
|------------------------|--|---|--|-------------|--|--|
| Monday 20/1/2020 | Physio lecture (6.5)- Artificial respiration and (6.6)-Applied aspects | Anatomy lecture (Heart blood supply) (AN22.3,22.4,22.5,22.6, 22.7) | Anatomy DOAP (heart) (AN 22.2) | Lunch | Phy 6.7(SGT-LFT)/Biochem SGT 4.2 processes involved in digestion and absorption of dietary lipids | |
| Tuesday 21/1/2020 | Biochem lecture 2 (4.2 processes involved in digestion and absorption of dietary lipids) | Anatomy lecture (Blood vessels of Mediastinum) (AN 21.11,23.2,23.3,23.4,23 .7) | Anat DOAP (Heart blood supply) (AN 22.3,22.5) | Lunch | Phy 6.7(SGT-LFT)/Biochem SGT 4.2 processes involved in digestion and absorption of dietary lipids | |
| Wednesday 22/1/2020 | Physio lecture (5.2)- properties (1) | Biochem lecture 3 (4.2 processes involved in digestion and absorption of dietary lipids) | Phy 6.3 (SGT-Regulation)/Biochem SGT (4.5) laboratory results of analytes associated with metabolism of lipids | Lunch | Anatomy DOAP (Blood vessels of Mediastinum) (AN 21.11,23.2,23.3,23.4) | |
| Thursday 23/1/2020 | Biochem Test MCQs (20 marks) Theory FA with feed back | Physio lecture (5.2)- properties (2) | Phy 6.3 (SGT-Regulation)/Biochem SGT (4.5) laboratory results of analytes associated with metabolism of lipids | Lunch | Biochem SGT 4.7 laboratory results of analytes associated with metabolism of lipids./ Physio SGT (5.2)-Properties | |
| Friday 24/1/2020 | Biochem lecture 4 (4.2 processes involved in digestion and absorption of dietary lipids) | Anatomy lecture (Development of Heart- 1) (AN 25.2) | Biochem SGT 4.7 laboratory results of analytes associated with metabolism of lipids./ Physio SGT (5.2)-Properties | Lunch | Early clinical Exposure vertical integrated teaching (guest lecture by pulmonary medicine department staff) | |
| Saturday 25/1/2020 | Anatomy lecture (Development of Heart- 2) (AN 25.4) | Physio lecture (5.3)- cardiac cycle (1) | Physio (DOAP test-10 marks) continuous assessment/ Anat SGT Surface marking of Heart and its development (25.9) | Lunch | SDL ANATOMY | Sports and Extracurricular activities |

Week 4

| | 8:30-9:30 am | 9:30-10:30 am | 11:00-1:00pm | 1:00-2:00pm | 2:00-5:00pm | |
|------------------------|---|---|---|-------------|--|--|
| Monday 27/1/2020 | Biochem lecture (4.3) regulation of lipoprotein | Physio lecture (5.3)-cardiac cycle (2) | Physio (DOAP test-10 marks) continuous assessment / Anat SGT Surface marking of Heart and its development (25.9) | Lunch | Biochem DOAP (11.10) estimation of triglycerides /Physio SGT-cardiac cycle (5.3) | |
| Tuesday 28/1/2020 | Anatomy lecture (blood vessels of head and neck) (AN 28.3,28.5,28.8,31.2) | Biochem lecture 1 (BI 4.4) Structure and function of lipoproteins | Biochem DOAP (11.10) estimation of triglycerides /Physio SGT-cardiac cycle (5.3) | Lunch | Phy 5.15 (1) (DOAP-CVS examination)/(Biochem BI 6.8 (SGT interpret results of Arterial Blood Gas (ABG) analysis in various disorders.) | |
| Wednesday 29/1/2020 | Biochem lecture 2 (BI 4.4) Structure and function of lipoproteins | Physio lecture (5.4)-cardiac impulse | Phy 5.15 (1) (DOAP-CVS examination)/(Biochem BI 6.8 (SGT interpret results of Arterial Blood Gas (ABG) analysis in various disorders.) | Lunch | Anatomy DOAP (blood vessels of head and neck) (AN 28.3,31.2) 43.5, 43.7 | |
| Thursday 30/1/2020 | Anatomy Test –MCQs (10 marks) Theory FA with feed back | Physio lecture (5.5)-Normal ECG | (Phy 5.15 (2)(DOAP-CVS simulation- Test (10marks) and skills) FA with feedback /Anat SGT (Blood vessels of head and neck)(43.6,43.7,43.8,43.9) | Lunch | (Phy 5.15 (2)(DOAP-CVS simulation- Test (10marks) and skills) FA/Anat SGT (Blood vessels of head and neck)(43.6,43.7,43.8,43.9) | |
| Friday 31/1/2020 | Biochem lecture 3 (BI 4.4) Structure and function of lipoproteins | Physio lecture (5.6)- Abnormal ECG | Phy 5.15 (2)(DOAP-CVS simulation- Test (10marks) and skills) FA with feedback/Biochem SGT (11.17) biochemical tests done in the following conditions: diabetes mellitus, dyslipidemia, myocardial infarction | Lunch | Early clinical Exposure (CBL) integrated teaching- MI PBL | |
| Saturday 1/2/2020 | Physio lecture (5.7)- Hemodynamics and (5.8)-Blood flow regulation | Biochem lecture (4.6) therapeutic uses of prostaglandins NAT | Phy 5.15 (2)(DOAP-CVS simulation- Test (10marks) and skills) FA/Biochem SGT (11.17) biochemical tests done in the following conditions: diabetes mellitus, dyslipidemia, myocardial infarction | Lunch | SDL BIOCHEM | Sports and Extracurricular activities |

Week 5

| | 8:30-9:30 am | 9:30-10:30 am | 11:00-1:00pm | 1:00-2:00pm | 2:00-5:00pm | |
|-----------------------|---|---|---|-------------|--|---------------|
| Monday 3/2/2020 | Physio lecture (5.9)- Cardiac output & BP (1) | Anatomy lecture (Lymphatic drainage of head and neck) (AN 35.5) | Anatomy DOAP (blood vessels of head and neck) (AN 35.3,35.4,35.5) | Lunch | Physio 5.13(DOAP-ECG-1)/ / Biochem Test (case discussion) 20 marks FA DOAP | |
| Tuesday 4/2/2020 | Anatomy lecture (Blood vessels of Brain) (AN 62.6) | Physio lecture (5.9)-Cardiac output & BP (2) | Anatomy DOAP (Blood vessels of Brain) (AN 62.6) | Lunch | Physio 5.13(DOAP-ECG-1)/ Biochem Test (case discussion) 20 marks FA DOAP | |
| Wednesday 5/2/2020 | Biochem lecture (6.5 biochemical role of vitamins in the body and explain the manifestations of their deficiency) NAT | Anatomy lecture (Blood vessels of UL) (AN 10.2,10.4,10.7,10.9,11.2,11.3, 11.6, 12.2,12.7,12.12,13.1) | Anatomy DOAP (Blood vessels of UL) (AN 10.2,11.2,12.2,12.7,12.12) | Lunch | Physio 5.13(DOAP-ECG-2)/Biochem SGT (11.24) advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food | |
| Thursday 6/2/2020 | Physio Test MCQs (10 marks) Theory FA with feedback | Anatomy lecture (Blood vessels of LL) (AN 15.1,16.1,16.5,18.2,19.2,20.3,20 .4,20.5) | Physio 5.13(DOAP-ECG-2)/Biochem SGT (11.24) advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food | Lunch | Anatomy DOAP (Blood vessels of LL) (AN 15.1,16.1,16.5,18.2,19.2,20.3) | |
| Friday 7/2/2020 | Physio lecture (5.9)- Cardiac output & BP (3) | Biochem lecture 1(6.7 processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these.) NAT | Physio DOAP 5.12(1)-pulse & BP and 5.16-Pulse tracing/Anat SGT UL (AN13.7) | Lunch | Early clinical Exposure vertical integrated teaching- guest lecture by cardiology staff | |
| Saturday 8/2/2020 | Physio lecture (5.9)- Cardiac output & BP (4) | Biochem lecture 2 (6.7 processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these.) NAT | Physio DOAP 5.12(1)-pulse & BP and 5.16-Pulse tracing/Anat SGT UL (AN13.7) | Lunch | SDL PHYSIOLOGY | AETCOM |

Week 6

| | 8:30-9:30 am | 9:30-10:30 am | 11:00-1:00pm | 1:00-2:00 pm | 2:00-5:00pm |
|------------------------|---|---|--|--------------|---|
| Monday 10/2/2020 | Physio lecture (5.10)- Regional circulation (1) | Anatomy lecture (Blood vessels of Abdomen) (AN 44.2,47.8,47.9, 54.3) | Physio DOAP 5.12 (2)- posture & exercise /Anat SGT LL (AN 20.8,20.9) | Lunch | Physio DOAP 5.12 (2)- posture & exercise /Anat SGT LL (AN 20.8,20.9) |
| Tuesday 11/2/2020 | Anatomy lecture (Blood vessels of Abdomen) (AN 47.10,47.11,48.3, 54.3) | Biochem lecture 3 (6.7 processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these.) NAT | Anatomy DOAP (Blood vessels of Abdomen) (AN 44.2-47.8,47.9) | Lunch | Physio (DOAP-AFT) 5.14 / Anat Table test (10marks) Continuous Assessment (DOAP) |
| Wednesday 12/2/2020 | Physio lecture (5.10)- Regional circulation (2) | Cross sectional Anatomy of Thorax (Lecture) | Physio (DOAP-AFT) 5.14/ Anat Table test (10marks) Continuous Assessment (DOAP) | Lunch | Physio SGT (5.9-BP regulation) and (5.10 – Coronary circulation)/(Biochem SGT (7.7 the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis.) |
| Thursday 13/2/2020 | Biochem Test MCQs (10 marks) Theory FA with feedback | Anatomy lecture (Development of arteries) (AN 25.6) | Physio SGT (5.9-BP regulation) and (5.10 –Coronary circulation)/(Biochem SGT (7.7 the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis.) | Lunch | Anatomy SGT (cross sectional Anatomy of thorax) (Xray, surface marking) 25.7, 25.9 Development of arteries and skills in sim lab / Biochem DOAP 11.16 commonly used equipments/techniques in biochemistry laboratory including: •pH meter •Electrolyte analysis by ISE •ABG analyzer |
| Friday 14/2/2020 | Biochem lecture (7.6) anti-oxidant defence systems in the body. NAT | Physio lecture (5.10)-Regional circulation (3) | Anatomy SGT (cross sectional Anatomy of thorax) (Xray, surface marking) 25.7, 25.9 Development of arteries and skills in sim lab / Biochem DOAP 11.16 commonly used equipments/techniques in biochemistry laboratory including: •pH meter | Lunch | Integrated teaching guest lecture by paediatrics on congenital heart diseases ECE |

Week 7

| | 8:30-9:30 am | 9:30-10:30 am | 11:00-1:00pm | 1:00-2:00pm | 2:00-5:00pm |
|----------------------------|--|--|---------------------------|--------------|--|
| Monday 17/2/2020 | Anatomy lecture (Development of veins) (AN 25.3,25.6) | Physio lecture (5.11)-Shock, heart failure | COMMUNITY MEDICINE | Lunch | Physio TBL continuous assessment |
| Tuesday 18/2/2020 | Anatomy theory block exam (30 marks) Continuous assessment | | | Lunch | |
| Wednesday 19/2/2020 | Physiology theory block exam (30 marks) Continuous assessment | | | Lunch | |
| Thursday 20/2/2020 | Biochemistry theory block exam (30 marks) Continuous assessment | | | Lunch | |
| Friday 21/2/2020 | 20 marks (Continuous assessment) | | | Lunch | 10 marks (Continuous assessment) |
| | 1-82- Anat viva 83-164- Physio viva 165-250- Biochem viva | | | | 1-82- Anat spotters 83-164- Physio spotters 165-250- Biochem spotters |
| Saturday 22/2/2020 | 20 marks (Continuous assessment) | | | Lunch | 10 marks (Continuous assessment) |
| | 1-82- Physio viva 83-164- Biochem viva 165-250- Anat viva | | | | 1-82- Physio spotters 83-164- Biochem spotters 165-250- Anat spotters |

| | 8:30-9:30 am | 9:30-10:30 am | 11:00-1:00pm | 1:00-2:00pm | 2:00-5:00pm |
|------------------|---|---------------|--------------|-------------|---|
| Monday 24/2/2020 | 20 marks (Continuous assessment) | | | Lunch | 10 marks (Continuous assessment) |
| | 1-82- Biochem viva 83-164- Anat viva 165-250- Physio viva | | | | 1-82- Biochem spotters 83-164- Anat spotters 165-250- Physio spotters |

FIRST WEEK

| | 8.30 – 9.30am | 9.30 – 10.30 am | 11.00 – 1.00 pm | 2-5 pm |
|---------------------|---|---|---|--|
| TUE 25/03/2020 | -Gross anatomy Kidney (AN47.5) | Anatomy Histology kidney, ureter and urinary bladder (AN 52.2) | DOAP - (KidneyAN47.5) | BIOCHEM-SGT -1 BI11.3 -Normal urine Histology kidney , ureter and urinary bladder (AN52.2) SGT :Xrays (AN54.2), Embryo models- urinary System |
| WED 26/03/2020 | BI6.13 & BI6.14 Kidney function tests | Gross anatomy (AN48.2)Urinary bladder and urethra | BIOCHEM DOAP-1 BI11.4 – Normal urine analysis | PHYSIO-SGT-Renal-1 PY(7.2-3.4)(funcs, renin angio sys) |
| | | | PHYSIO-PRACTS BLOCK3 REVISION FA-DOAP-WITH FEEDBACK | Histology kidney , ureter and urinary bladder (AN52.2) SGT :Xrays (AN54.2), Embryo models- urinary System |
| THURS 27/03/2020 | Anatomy – Kidney embryology 1 (AN52.7 | Physiology PY (7.1-1)- Kidney - functions | BIOCHEM DOAP-2 BI11.4 – Normal urine analysis | BIOCHEM-SGT -1 BI11.3 -Normal urine |
| | | | PHYSIO-PRACTS BLOCK3 REVISION FA-DOAP-WITH FEEDBACK | Histology kidney , ureter and urinary bladder (AN52.2) SGT :Xrays (AN54.2), Embryo models- urinary System |
| FRI 28/03/2020 | Physiology PY(7.2-1,2)- Jga & renin – angio systems | BI 3.4 Gluconeogenesis | BIOCHEM DOAP-2 BI11.4 – Abnormal urine analysis Unknown abnormal urine analysis PHYSIO-PRACTS BLOCK3 REVISION FA-DOAP-WITH FEEDBACK | ECE - BIOCHEM-1 BI6.15 & BI11.20 – Abnormalities of kidney |
| SAT 29/03/2020 | Anatomy kidney | | BI11.4 –Abnormal urine analysis | COM MEDICINE(2hrs) SDL(Anatomy) |

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|-------------------|----------------------------|--|---|--|
| | Embryology -2 (52.7) | Physiology PY(7.3-1,2) GFR- | Unknown abnormal urine analysis | Applied aspects of kidney (47.6,48.5-6) |
| | | | PHYSIO-PRACTS BLOCK3 REVISION FA-DOAP-WITH FEEDBACK | |
| MON 02/04/2020 | BI 3.4-NAT Glycogenesis | Anatomy Histology of tongue (AN43.2) and Lip (43.3) | DOAP- Urinary bladder and urethra (AN 48.2) | PHY-SGT-Renal-1 PY(7.2-3,4) (funcs,renin angio sys |
| | | | | Histology of Tongue and lip (AN43.2,3) SGT: surface marking of kidney(55.1,2) |

| SECOND WEEK | | | | |
|-------------------|--|---|---|---|
| | 8.30 – 9.30 am | 9.30 – 10.30 am | 11.00 – 1.00 pm | 2-5 pm |
| TUE 03/04/2020 | ANAT-FA Theory with feedback (renal system) | Physiology PY(7.3-3,4,5) GFR reg,Fil fr | BIOCHEM DOAP-3 BI6.15 & BI11.20 – Urine Dipstick for abnormal constituent s | BIOCHEM-SGT -2 BI 3.8 & BI 3.4 – Glycogen storage disorders general presenting features and laboratory screening of glucose-6-phosphate dehydrogenase deficiency |
| | | | PHY- DOAP-FA WITH FEEDBACK BLOCK 3 REVISION ECE-renal cs | Histology of Tongue and lip (AN 43.2,3) SGT: surface marking of kidney(55.1, 2) |
| WED 04/04/2020 | P Physiology PY (7.3-6) PCT – Sodium | Development of branchial apparatus -1 AN43.4 | BIOCHEM DOAP-3 BI6.15 & BI11.20 – Urine Dipstick for abnormal constituent s | PHY SGT RENAL-2 PY (7.3-16, 17,18,19) conc /dilu-ADH |
| | | | PHY DOAP- FA WITH FEEDBACK BLOCK 3 REVISION ECE-renal cs | Histology of Tongue and lip (AN 43.2,3) SGT: surface marking of kidney(55.1, 2) |

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| THURS 05/04/2020 | Development of branchial apparatus -2 AN43.4 | Physiology PY(7.3-7), glu,TmG,renal threshold | BIOCHEM DOAP-4 BI11.7 – Serum creatinine & creatinine clearance | BIOCHEM-SGT – BI 3.8 & BI 3.4 – Glycogen storage disorders General presenting features and laboratory screening of glucose-6- phosphatedehydrogenase deficiency |
| | | | PHY DOAP- FA WITH BACK BLOCK 3 REVISION | |
| FRI 06/04/2020 | Physiology PY(7.3 – 8,9,10)LOH,DCT,C D fun | BI 3.4 –NAT Glycogenolysi s, Regulation | BIOCHEM DOAP-4 BI11.7 – Serum creatinine & creatinine clearance | ECE IT -PY 7.7-art kidney,dialysis,transplantati on |
| | | | PHY DOAP- FA WITH FEEDBACK BLOCK 3 REVISION | |
| SAT 07/04/2020 | BI 3.4 –NAT HMP shunt pathway | Physiology PY(7.3- 11,12,14,15) conc /dilu- ADH | BIOCHEM DOAP – BI 11.12 – Serum Bilirubin Estimation | ATCOM-2HRS SDL PHYSIO-1HR |
| | | | PHY DOAP- FA WITH FEEDBACK BLOCK 3 REVISION | |

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| MON 09/04/2020 | Histology salivary glands (AN43. 2, 70.1) | BI6.6 – ETC – Lec -1 | PHY DOAP-FA WITH FEEDBACK | PY (7.3-16, 17,18,19) conc /dilu-ADH |
| | | | BLOCK3 REVISION | |
| | | | BIOCHEM DOAP – BI 11.12 – Serum Bilirubin Estimation | Histology- Salivary gland (AN 43.2,70.1) SGT: (43.6) surface marking of parotid, Branchial apparatus model |

TUE -10/03/2020 –HOLI HOLIDAY

| THIRD WEEK | | | | |
|---------------------|---|--|--|---|
| | 8.30 – 9.30 am | 9.30 – 10.30 am | 11.00 – 1.00 pm | 2-5 pm |
| WED 11/03/2020 | Physiology PY (7.4 - 1,2.4)renal clearance,GFR,r bl flow measurement | Gross anatomy Parotid gland (AN28.9 and 28.10) | DOAP Parotid (AN28.9 Demonstration of viscera | PHYSIO-SGT- GIT-1 PY (4.2-2,3) (stomach) |
| | | | | Histology- Salivary gland (AN 43.2,70.1) SGT: (43.6) surface marking of parotid, Branchial apparatus model |
| THURS 12/03/2020 | Anatomy – Gross submandibular (AN34.1 ,2) | Physiology PY-(7.5 -2,4) Renal buffers | DOAP - Submandibular(AN34.1-2) and Tongue (AN39.1-2) | BIOCHEM-SGT - BI5.3 – digestion and absorption of proteins , Zymogens, endo &exopeptidases |
| | | | | Histology- Salivary gland (AN 43.2,70.1) SGT: (43.6) surface marking of parotid, Branchial apparatus model |
| FRI 13/03/2020 | Physiology PY -(7.6 -,2,3) micturition | BI6.6 – ETC – Lec -2 | BIOCHEM DOAP- BI 2.2 & BI 11.3 – SGOT & SGPT | ECE- IT - Nephorology |
| | | | PHYSIO-DOAP- FA WITH FEEDBACK | |

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| | | | BLOCK3 REVISION | |
| SAT 14/03/2020 | BI6.6 – ETC – Lec -3 | Development of branchial apparatus - 3 AN43.4 | BIOCHEM DOAP- BI 2.2 & BI 11.3 – SGOT & SGPT | COM MED 2HRS SDL-BIOCHEM -1 |
| | | | PHYSIO-DOAP- FA WITH FEEDBACK BLOCK3 REVISION | |
| MON 16/03/2020 | BI6.6 – ETC – Lec -4 | Anatomy – histology of stomach and oesophagus (AN52.1 & AN52.3 | DOAP - Submandibular(AN34.1-2) and Tongue (AN39.1-2 | PHYSIO-SGT-GIT- 1 PY (4.2-2,3) (stomach |
| | | | | Histology : Oesophagus, cardiooesohagal junction and stomach(AN52.1, 3)SGT surface marking related to abdomen organ(AN55.1,2) |
| TUE 17/03/2020 | PHY TEST | Anatomy-Tongue Gross wit development(AN39.1- 2,AN 43.4) | DOAP - pharynx and soft palate 1(AN36.1-5) | BIOCHEM-SGT - BI5.3 – digest and absorption of proteins , Zymogens, endo &exopeptidases |
| | | | | Histology : Oesophagus, cardiooesohagal junction and |

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| | | | | stomach(AN52.1, 3)SGT surface marking related to abdomen organ(AN55.1,2) |
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| FOURTH WEEK | | | | |
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| | 8.30 – 9.30 am | 9.30 – 10.30 am | 11.00 – 1.00 pm | 2-5 pm |
| WED 18/03/2020 | Physiology- ECE PY(7.7- GM) | Gross Anatomy Pharynx and soft palate - 1 (AN36.1-5) | DOAP - pharynx and soft palate 1(AN36.1- 5) | PHY-SGT-GIT-2 PY (4.2 - 4 ,5)- pancr & liver) fun,secr® |
| | | | | Histology : Oesophagus, cardiooesohagal junction and stomach(AN52.1, 3)SGT surface marking related to abdomen organ(AN55.1,2) |
| THURS 19/03/2020 | Gross Anatomy Pharynx and soft palate - 2 (AN36.1-5) | Physiology PY(7.9-1,2) cystometro | BIOCHEM PRACTS- BI 11.14 – Estimation of serum ALP | BIOCHEM-SGT – BI 6.5 Vitamin K |
| | | | Doap-FA WITH FEEDBAK PHYSIO-PRACTS BLOCK3 REVISION | Histology : Oesophagus, cardiooesohagal junction and stomach(AN52.1, 3)SGT surface marking related to abdomen organ(AN55.1,2) |
| FRI 20/03/2020 | BI5.4 & BI5.3 – Transport defects Catabolism of proteins and detoxification of NH4 | Peritoneum - 1 (AN47.1- 4) (47.3, 4) | BIOCHEM PRACTS- BI 11.14 – Estimation of serum ALP | ECE -Gastro enterologist IT-GIDISORDERS WITH EXAMPLES OF CASES |
| | | | DOAP-FA WITH FEEDBACK PHYSIO-PRACTS BLOCK3 REVISION | |

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| <p>MON 23/03/2020</p> | <p>BI5.4 & BI5.3 – Catabolism of proteins and detoxification of NH4 continued.... Urea cycle</p> | <p>Anatomy- histology of liver, gall bladder , pancreas (AN52.1)</p> | <p>DOAP - peritoneum 1(AN47.1-4) (47.3, 4)</p> | <p>PHY-SGT-GIT-2 PY (4.2 - 4 ,5)- pancr & liver) fun,secr&reg</p> <p>Histology of liver, gall bladder , pancreas (52.1) SGT- viscera spleen (47.5,6)/ x ray and barium swallow (AN54.1,25.8) special radiographs (AN54.2,3)</p> |
| <p>TUE 24/03/2020</p> | <p>Peritoneum - 2 (AN47.1-4)</p> | <p>Physiology PY 4.1-1- (GIT ov,ENS)</p> | <p>DOAP -peritoneum 1(AN47.1-4)</p> | <p>BIOCHEM-SGT – BI 6.5 Vitamin K</p> <p>Histology of liver, gall bladder , pancreas (52.1) SGT- viscera spleen (47.5,6)/ x ray and barium swallow (AN54.1,25.8) special radiographs (AN54.2,3)</p> |
| <p>WED 25/03/2020</p> | <p>BIOCHEM-FA-THEORY</p> | <p>Development of face 1 AN43.4</p> | <p>FA in DOAP with feed Back (TABLE TEST – RENAL+GIT)</p> | <p>PHYSIO-SGT-3 PY(4.3 - 2 , 3)(Stom & in movts)</p> <p>Histology of liver, gall bladder , pancreas (52.1) SGT- viscera spleen (47.5,6)/ x ray and barium swallow (AN54.1,25.8) special radiographs (AN54.2,3)</p> |

| FIFTH WEEK | | | | |
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| | 8.30 – 9.30 am | 9.30 – 10.30 am | 11.00 – 1.00 pm | 2-5 pm |
| THURS 26/03/2020 | Anatomy- Gross stomach (47.5,6) oesophagus (AN23.1) | PYSIOLOGY PY(4.2-1) SALIVA | DOAP - stomach, liver biliary apparatus -1 (AN47.5,6)(23.1) | BIOCHEM-SGT - BI5.5 IEM associated with urea cycle Histology of liver, gall bladder , pancreas (52.1) SGT- viscera spleen (47.5,6)/ x ray and barium swallow (AN54.1,25.8) special radiographs (AN54.2,3) |
| FRI 27/03/2020 | Physiology PY(4.2-2) Stomach-fun | BI6.11 – Heme degradation & Bilirubin metabolism | BIOCHEM PRACTS- BI 11.8 +BI11.22 + BI 11.21 Combined – Serum protein & A:G ratio , creatinine clearance PHYSIO-DOAP Physiology practical Py - 4.10 PER ABDOMINAL EXAMINATION | ECE-INTEGRATED- Fatty liver |
| SAT 28/03/2020 | BI6.11 – Heme degradation & Bilirubin metabolism Continued... | Physiology PY (4.2 – 3) Gastic secretion,regulation | BIOCHEM PRACTS- BI 11.8 +BI11.22 + BI 11.21 Combined – Serum protein & A:G ratio , creatinine clearance | COM MED -2HR SDL-PHYSIO-GIT-1 HR |

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| | | | PHYSIO-DOAP Physiology practical Py - 4.10 PER ABDOMINAL EXAMINATION | |
| MON 30/03/2020 | BI6.11 Jaundice | Anatomy – histology of intestine (AN52.1) | DOAP - stomach, liver biliary apparatus -2 (AN47.5, 23.1) | PHYSIO-SGT-3 PY(4.3 - 2 , 3)(Stom & in movts) |
| | | | | Anatomy – histology of small intestine (AN52.1) SGT- GIT models - 1, face models |
| TUE 31/03/2020 | Anatomy Gross liver , extra biliary apparatus (AN47.5 and 6 and 7) | Physiology PY(4.2 – 6 & 7) S Int-secre & regu,L Int funcns | DOAP- small intestine and pancreas (AN47.5) | BIOCHEM-SGT - BI5.5 IEM associated with urea cycle |
| | | | | Anatomy – histology of small intestine (AN52.1) SGT- GIT models - 1, face models |
| WED 01/04/2020 | Physiology PY(4.3 - 1)deglutition | Anatomy duodenum and pancreas (AN 47.5) | DOAP– caecum appendix (AN47.5) | PHYSIO-SGT-4 PY (4.5)-GI HORMONES |
| | | | | Anatomy – histology of small intestine (AN52.1) SGT- GIT models - 1, face models |

| SIXTH WEEK | | | | |
|---------------------|---|--|--|--|
| | 8.30 – 9.30 am | 9.30 – 10.30 am | 11.00 – 1.00 pm | 2-5 pm |
| THURS 02/04/2020 | Anatomy – Gross caecum and appendix (AN47.5) | Physiology PY (4.3 -2) (Gastric motor fun) | DOAP rectum and anal canal (AN47.5) | BIOCHEM-SGT-BI11.17 basis and rationale of biochemical tests related to renal, GIT & Hepatobiliary systems |
| | | | | Anatomy – histology of small intestine (AN52.1) SGT- GIT models -1, face models |
| FRI 03/04/2020 | Physiology PY –(4.3 -3)(sm in – movts) | BI6.15 abnormalities of liver | BI 11.21 Demonstrate estimation urea in serum. | INTERGRATED /ECE– Radiology |
| | | | PHYSIO-DOAP FA BLOCK3 REVISION | |
| SAT 04/04/2020 | BI6.14 & BI 6.13 – LFT | Development of face AN43.4 -2 | BI 11.21 Demonstrate estimation urea in serum. | COM MED -2 HR SDL- BIOCHEM-1HR |
| | | | PHYSIO-DOAP FA BLOCK3 RREVISION | |
| MON 06/04/2020 | B BI 2.7 – Diagnostic enzymology related to liver & GIT | A Anatomy gross rectum and anal canal (AN47.5, 48.5, 49.5) | DOAP of Ischiorectal fossa (AN49.4) | PHYSIO-SGT-4 PY (4.5)GI HORMONES |
| | | | | Anatomy – histology of Large intestine |

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| | | | | (AN52.1)/ histology Revision -FA SGT- Embryology models-GIT -2 |
| TUE 07/04/2020 | Anatomy Ischiorectal fossa (AN49.4) | Physiology PY 4.3 – 4 & 5 (LI- Reflex,Defecation | TABLE TEST –GIT (FA in DOAP with feed back) | BIOCHEM-SGT- BI11.17 basis and rationale of biochemical tests related to renal, GIT & Hepatobiliary systems |
| | | | | Anatomy – histology of Large intestine (AN52.1)/ histology Revision -FA SGT- Embryology models-GIT -2 |
| WED 08/04/2020 | BI 7.5 – Xenobiotics | Anatomy – development of gut 1 (AN52.6) | ANAT-DOAP FA – REVISION with feed back | PHYSIO-SGT -5 GIT REVISION |
| | | | | Anatomy – histology of Large intestine (AN52.1)/ histology Revision -FA SGT- Embryology models-GIT -2 |

SEVENTH WEEK

| | 8.30 – 9.30 am | 9.30 – 10.30 am | 11.00 – 1.00 pm | 2-5 pm |
|---|---|---------------------------------------|-----------------------------|---|
| THURS 09/04/2020 | Anatomy – development of gut 2 (AN52.6) | Physiology PY -4.9 (GI disorders)-ECE | BLOCK END- ANAT EXAM-2 HRS | BIOCHEM-SGT-5--REVISION Anatomy – histology of Large intestine (AN52.1)/ histology Revision -FA SGT- Embryology models-GIT -2 |
| FRI 10/04/2020 GOOD FRIDAY HOLIDAY | | | | |
| SAT 11/04/2020 | Anatomy – development of gut 3 (AN52.6) | BLOCK END-PHYSIO EXAM-2 HRS | BLOCK END-PHYSIO EXAM-2 HRS | SDL-ANAT-GIT |
| MON 13/04/2020 | BLOCK END EXAM-BIOCHEM | 2HRS EXAM-BIOCHEM | REVISION | PHYSIO-SGT -5 GIT REVISION |
| TUE 14/04/2020 | REVISION | REVISION | REVISION | BIOCHEM-SGT-5--REVISION |
| 15/04/2020 | SECOND SESSIONAL | EXAMINATION | | |

Total number of teaching learning contact hours.

| Subject (Total hours) | No. of Lecture hrs. | SGT No(x3 hrs) | DOAP No(x2 hrs) | No. of integrated teaching hours@ | No of hrs SDL | #Others | SGT or IT that can be categorised under ECE* |
|------------------------------|----------------------------|-----------------------|------------------------|--|----------------------|--|---|
| Anatomy(--hrs) | 31+1(FA) | 42 | 32 | 3 | 2 | Com med-8hrs ATCOM-2hrs | 6 |
| Physiology(--hrs) | 23+1(FA) | 21 | 18 | 3 | 2 | REVISION-6hrs | 6 |
| Biochemistry(-hrs) | 19+1(FA) | 21 | 18 | 3 | 2 | Block end exams- FAtheory-6hrs (2hrs each) | 6 |

| Date | Days | 8.30 - 9.30 | 9.30 - 10.30 | 11.00 - 1.00 | 2-5 |
|----------------|------------------|---------------------------------------|---|---|--|
| 27.4.20 | MONDAY | B Phenyl alanine 5.4 | A Meninges AN30.3,4 | DOAP A-Meninges AN30.3,4 | SGT A- Cranial cavity & Vertebral canal AN30.1,2 AN42.1 B - Glutamine + Histidine 5.4 |
| 28.4.20 | TUESDAY | A Meninges AN56.1 | P Synapse-1 10.2 | DOAP A-Meninges AN56.1 | SGT A- Cranial cavity & Vertebral canal AN30.1,2 AN42.1 P - Neuro Transmitters 10.1 |
| 29.4.20 | WEDNESDAY | P Synapse-2 10.2 | A Spinal Cord AN57.1,2,3 | DOAP A- Spinal Cord AN57.1,2,3 | SGT A- Cranial cavity & Vertebral canal AN30.1,2 AN42.1 B - Glutamine + Histidine 5.4 |
| 30.4.20 | THURSDAY | A Spinal Cord AN57.4 | P Receptors-1 10.2 | DOAP A- Spinal Cord AN57.4 | SGT A- Cranial cavity & Vertebral canal AN30.1,2 AN42.1 P - Neuro Transmitters 10.1 |
| 1.5.20 | FRIDAY | Holiday | | | |
| 2.5.20 | SATURDAY | B Tyrosine 5.4 | P Receptors -2 10.2 | COMMUNITY MEDICINE | SDL Anatomy/ Sports;extracurricular |

| Date | Days | 8.30 - 9.30 | 9.30 - 10.30 | 11.00 - 1.00 | 2-5 |
|--------|-----------|-------------------------------|-------------------------------|---|---|
| 4.5.20 | MONDAY | B Tryptophan 5.4 | A Brainstem 1 - AN58.1,2,3 | DOAP A- Brainstem 1 - AN58.1,2,3 | SGT A-CBL Medullary syndromes AN58.4 [ECE] B - BCA 5.4 |
| 5.5.20 | TUESDAY | A Brainstem 2 - AN59.1,2,3 | P Sensory tract-1 10.3 | DOAP A - Brainstem 2 - AN59.1,2,3 | SGT A-CBL Medullary syndromes AN58.4 [ECE] P - sensory tract drawing 10.3 |
| 6.5.20 | WEDNESDAY | P Sensory tract-2 10.3 | A Brainstem 3 - AN61.1,2,3 | DOAP A- Brainstem 3 - AN61.1,2,3 | SGT A- CBL Benedikt's and Weber's syndrome AN61.3 [ECE] B - BCA 5.4 |
| 7.5.20 | THURSDAY | A FA theory With feedback | P Physiology of Pain 10.3 | FA Anatomy DOAP With feedback Continuous assessment | SGT A- CBL Benedikt's and Weber's syndrome AN61.3 [ECE] P - sensory tract drawing 10.3 |
| 8.5.20 | FRIDAY | P Reflex-1 10.2 | B Glycine 5.4 | DOAP P - Clinical examination of NS:Higher Fn,Sensory system 10.11 B- Paper chromato 11.16 | Integration CSF Composition of CSF B-11.15 |
| 9.5.20 | SATURDAY | B Methionine 5.4 | P Reflex-2 10.2 | DOAP P - Clinical examination of NS:Higher Fn,Sensory system 10.11 B- Paper chromato 11.16 | SDL Physiology/ community medicine |

| Date | Days | 8.30 - 9.30 | 9.30 - 10.30 | 11.00 - 1.00 | 2-5 |
|---------|-----------|--|---------------------------------|---|--|
| 11.5.20 | MONDAY | B Cysteine | A Cerebellum AN60.1 | DOAP A-Cerebellum AN60.1 | SGT A- AN60.3 B - Interpret. 5.4 [ECE] |
| 12.5.20 | TUESDAY | A Development of CNS AN64.2,3 | P Reflex -3 10.2 | DOAP A-Cerebellum AN60.2 | SGT A- AN60.3 P - withdrawl reflex stretch reflex -control 10.2 |
| 13.5.20 | WEDNESDAY | P FA theory With feedback | A Cerebral Hemisphere AN62.2 | DOAP A-Cerebral Hemisphere AN62.2 | SGT A- AN64.2,3 B - Interpret. 5.4 [ECE] |
| 14.5.20 | THURSDAY | A Histology Spinal Cord, Cerebrum, Cerebellum AN64.1 | P Motor system 10.4 | DOAP A- Cerebral Hemisphere AN62.2 | SGT A- AN64.2,3 P - withdrawl reflex stretch reflex -control 10.2 |
| 15.5.20 | FRIDAY | P Motor system 10.4 | community medicine | DOAP P- Clinical Examination - Motor system -10.11 B - IEM lab Visit 11.16 | AETCOM- what it means to be a patient |
| 16.5.20 | SATURDAY | HOLIDAY | | | |

| Date | Days | 8.30 - 9.30 | 9.30 - 10.30 | 11.00 - 1.00 | 2-5 |
|----------------|------------------|--|--|---|---|
| 18.5.20 | MONDAY | B Screening 11.5 | A White Matter AN62.3 | DOAP A-White Matter AN62.3 | SGT A- Histology Spinal Cord, Cerebrum, Cerebellum AN64.1 SGT circle of willis AN62.6 B -Fatty acids 4.1 |
| 19.5.20 | TUESDAY | A Basal Ganglia AN62.4 | P Muscle tone & Vestibular A 10.4 | DOAP A-Basal Ganglia AN62.4 | SGT A- Histology Spinal Cord, Cerebrum, Cerebellum AN64.1 SGT circle of willis AN62.6 P - CE- Motor system 10.11 |
| 20.5.20 | WEDNESDAY | P Cerebellum -1 10.7 | A Thalamus AN62.5 | DOAP A-Thalamus AN62.5 | SGT A- Histology Spinal Cord, Cerebrum, Cerebellum AN64.1 SGT circle of willis AN62.6 B -Fatty acids 4.1 |
| 21.5.20 | THURSDAY | A Cranial nerve -1 AN62.1 | P cerebellum -2 10.7 | DOAP A-Cranial nerve AN62.1 | SGT A- Histology Spinal Cord, Cerebrum, Cerebellum AN64.1 SGT circle of willis AN62.6 P - CE- Motor system 10.11 |
| 22.5.20 | FRIDAY | P Basal ganglia -1 10.7 | B FA theory With feedback | DOAP P-Reflex -10.11 B - CBL -Phenyl keto - 11.6 | Continuous assessment Biochemistry |
| 23.5.20 | SATURDAY | HOLIDAY | | | |

| Date | Days | 8.30 - 9.30 | 9.30 - 10.30 | 11.00 - 1.00 | 2-5 |
|---------|-----------|--------------------------------------|--------------------------------------|--|---|
| 25.5.20 | MONDAY | B Vit B12 6.5 | A Cranial nerve -2 AN62.1 | DOAP A-Cranial nerve AN62.1 | SGT A- CBL AN62.1 [ECE] B- folic acid 6.5 [ECE] |
| 26.5.20 | TUESDAY | A Cranial nerve -3 AN62.1 | P Basal ganglia- 2 10.7 | DOAP Cranial nerve AN62.1 | SGT A- CBL AN62.1 [ECE] P- Cranial Nerve -E 10.11 |
| 27.5.20 | WEDNESDAY | P RAS 10.5 | A Ventricular System AN63.1 | DOAP Ventricular System AN63.1 | SGT A- AN63.3 B- folic acid 6.5 [ECE] |
| 28.5.20 | THURSDAY | A FA theory With feedback | P thalamus & Hypothalamus 10.7 | FA Anatomy DOAP With feedback Continous assessment | SGT A- AN63.3 P- Cranial Nerve -E 10.11 |
| 29.5.20 | FRIDAY | P Hypothalamus 10.7,111,11.2,11.3 | B Niacin 6,5 | DOAP P-Cranial Nerve -E 10.11 | Integration - SPINAL CORD LESIONS |
| | | | | B -TLC 11.6 | |
| 30.5.20 | SATURDAY | B B6 6.5 | P Hypothalamus 10.7,111,11.2,11.3 | DOAP P-Cranial Nerve -E 10.11 | SDL Biochemistry / AETCOM SDL |
| | | | | B -IEM Lab visit/ TLC 11.6 | |

| Date | Days | 8.30 - 9.30 | 9.30 - 10.30 | 11.00 - 1.00 | 2-5 |
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| 1.6.20 | MONDAY | B Vit A 6.5 | A Histology cornea,retina sclerocorneal junction optic nerve AN43.2,3 | DOAP A - Ventricular System AN63.1 | SGT A- Histology cornea,retina sclerocorneal junction optic nerve AN43.2,3 SGT ANS AN23.5, AN35.6 B-Thiamine & riboflavin |
| 2.6.20 | TUESDAY | A ANS-1 AN35.6 | P Lymbic system, prefrotal cortex 10.7 | DOAP A- ANS AN35.6 | SGT A- Histology cornea,retina sclerocorneal junction optic nerve AN43.2,3 SGT ANS AN23.5, AN35.6 P - C.nerve-3 |
| 3.6.20 | WEDNESDAY | P FA theory With feedback | A ANS-2 AN23.5,6 | DOAP A- ANS AN23.5,6 | SGT A- Histology cornea,retina sclerocorneal junction optic nerve AN43.2,3 SGT ANS AN23.5, AN35.6 B- Thiamine & riboflavin |
| 4.6.20 | THURSDAY | A Histology of eyelid, cochlea AN43.3 | P Eeg & sleep 10.8 | DOAP A- ANS AN23.5,6 | SGT A- Histology cornea,retina sclerocorneal junction optic nerve AN43.2,3 SGT ANS AN23.5, AN35.6 P - C.nerve-3 |
| 5.6.20 | FRIDAY | P Learning & memory 10.9 | B Metabolism in fasting-6.1 (NAT) | DOAP B-Cysteine-11.6 P- R | physiology -FA [TBL] WITH FEEDBACK Continous assessment |
| 6.6.20 | SATURDAY | B | P | DOAP B-Cysteine-11.6 | SDL Antomy/ sports extracurricular |

| Date | Days | 8.30 - 9.30 | 9.30 - 10.30 | 11.00 - 1.00 | 2 - 5 |
|---------|-----------|---------------------------------|--------------------------------|--|---|
| 8.6.20 | MONDAY | B Copper and Zinc 6.10 (NAT) | A Orbit 1 AN31.1,2,3,4,5 | DOAP A- Orbit 1 AN31.1,2,3,4,5 | SGT A- Histology of eyelid, cochlea AN43.3 SGT AN30.5 (PITUITARY TUMORS) AN31.3(HORNERS) AN41.1(EYEBALL) B - Enzyme inhibition 2.4 (NAT) |
| 9.6.20 | TUESDAY | A Orbit 2 AN31.1,2,3,4,5 | P Vision-2 10.7 | DOAP Orbit 1 AN31.1,2,3,4,5 | SGT A- Histology of eyelid, cochlea AN43.3 SGT AN30.5 (PITUITARY TUMORS) AN31.3(HORNERS) AN41.1(EYEBALL) P- ECE- UMN&LMN lesion |
| 10.6.20 | WEDNESDAY | P vision-3 10.7 | A Eyeball AN41.1,2 & AN43.4 | DOAP A-Eyeball AN41.1,2 & AN43.4 | SGT A- Histology of eyelid, cochlea AN43.3 SGT AN30.5 (PITUITARY TUMORS) AN31.3(HORNERS) AN41.1(EYEBALL) B -SGT Enzyme inhibition 2.4 (NAT) |
| 11.6.20 | THURSDAY | A Ear 1 AN40.1,2,3,4,5 | P vision-4 10.17 | DOAP A-Ear AN40.1,2,3,4,5 | SGT A- Histology of eyelid, cochlea AN43.3 SGT AN30.5 (PITUITARY TUMORS) AN31.3(HORNERS) AN41.1(EYEBALL) P- ECE- UMN&LMN lesion |
| 12.6.20 | FRIDAY | P vision-5 10.17 | B FA theory With feedback | P- FA IN DOAP WITH FEEDBACK B- FA IN DOAP WITH FEEDBACK | INTEGRATION- LESIONS - VISUAL PATHWAY |
| 13.6.20 | SATURDAY | Community medicine | P Ear 10.15&16 | P- FA IN DOAP WITH FEEDBACK B- FA IN DOAP WITH FEEDBACK | SDL Physiology /AETCOM SDL |

| Date | Days | 8.30 - 9.30 | 9.30 - 10.30 | 11.00 - 1.00 | 2-5 |
|---------|-----------|------------------------------------|---|-----------------------------|--|
| 15.6.20 | MONDAY | P Taste & smell 10.13&14 | A Ear 2 AN40.1,2,3,4,5 | DOAP Ear AN40.1,2,3,4,5 | COMMUNITY MEDICINE P- ECE cerebelum&BG disorders |
| 16.6.20 | TUESDAY | A Revision | P Miscellaneous added 11.11,11.12,11.13 | A- FA IN DOAP WITH FEEDBACK | COMMUNITY MEDICINE P- ECE- cerebelum&BG disorders |
| 17.6.20 | WEDNESDAY | P REVISION | B Revision | A- FA IN DOAP WITH FEEDBACK | COMMUNITY MEDICINE |
| 18.6.20 | THURSDAY | BLOCK EXAM | | | |
| 19.6.20 | FRIDAY | BLOCK EXAM | | | |
| 20.6.20 | SATURDAY | BLOCK EXAM | | | |

Total number of teaching learning contact hours.

| Subject (Total hours) | No. of Lecture hrs. | SGT No(x3 hrs) | DOAP No(x2 hrs) | No. of integrated teaching hours@ | No of hrs SDL | #Others | SGT or IT that can be categorised under ECE* |
|------------------------------|----------------------------|-----------------------|------------------------|--|----------------------|--|---|
| Anatomy(--hrs) | 28 | 33 HRS | 54 HRS | 3 HRS | | 2 FA THEORY - 2HRS; FA DOAP/CA- 4 HRS | 9 HRS |
| Physiology(--hrs) | 33 | 18 HRS | 8 HRS | 3 HRS | | 2 FA THEORY - 2HRS; FA DOAP - 2HRS; CA - 3HRS | 6 HRS |
| Biochemistry(-- hrs) | 15 | 15 HRS | 8 HRS | 3 HRS | | 1 FA THEORY - 2HRS; FA DOAP- 2HRS CA- 3 HRS | 6 HRS |

COMMUNITY MEDICINE- 10 HRS

**AETCOM-3HRS
WHAT MEANSTOBEAPATIENT**

AETCOMSDL-4HRS

Block 6

| Subject (Total hours) | No. of Lecture hrs. | SGT No(x3 hrs) | DOAP No(x2 hrs) | No. of integrated teaching hours | No of hrs SDL | Others | SGT or IT that can be categorised under ECE |
|-----------------------|---------------------|----------------|-----------------|----------------------------------|------------------|---|---|
| Anatomy(--hrs) | 18 | 5x3=15 hrs | 34 hrs | 3 hrs | 1(in form of FA) | FA (theory)-1 hr FA DOAP with feedback- 4 hrs CA DOAP- 7 hrs CA Theory- 1 hr | 4x3 hrs (12 hrs) (3 SGT, 1 Integrated session) |
| Physiology(--hrs) | 20 | 9 x 3 =27 | - | 3 hrs | | FA theory – 4 hrs CA theory - 3hrs (TBL) 1 hr (block exam) | 4 x 3hrs (12 hrs) (3 SGT, 1 Integrated session) |
| Biochemistry(--hrs) | 22 | 5x3= 15 hrs | 4x2= 8hrs | 3 hrs | 2 | Community Medicine :4 hrs AETCOM :4 hrs FA (theory)- 2 hrs FA DOAP with feedback- 2 hrs CA Theory- 1 hr | 4 x 3hrs (12 hrs) (3 SGT, 1 Integrated session) |

| Week 1 Day | 8.30-9.30AM | 9.30-10.30AM | 11AM-1 PM | 2.00-5.00 pm |
|-------------------|---|--|--|--|
| | THEORY | | SGT | SGT |
| Monday 22/06/2020 | To know the structure and diagrammatic representation of DNA and all types of RNAs. To know the normal organization of eukaryotic DNA. Mitochondrial DNA. (BI 7.1) NAT | Histology of thyroid, parathyroid & pituitary (AN43.2) | DOAP Describe & demonstrate thyroid gland (AN 35.2, AN 43.6) | PHYSIOLOGY TUTORIAL Introduction, Mechanism of hormone action (PY 8.6) HISTOLOGY DOAP Pituitary gland, thyroid, parathyroid gland (AN 43.2) ANATOMY CBL Thyroid swellings (AN 35.8) (ECE using a case of thyroid swelling) |
| Tuesday | Mendelian inheritance (AN 74.1) Pedigree chart (AN 74.2) | Introduction to hormones, classification (PY 8.6) Hypothalamus, Pituitary (PY 8.2.1) | CBL/ DOAP Mendelian inheritance (AN 74.1) Pedigree chart (AN 74.2) Genetic basis of few inherited disorders (AN 74.4) | BIOCHEMISTRY TUTORIAL Regulation of gene expression, repression, derepression, induction and lac operon (BI 7.3) NAT HISTOLOGY DOAP Pituitary gland, thyroid, parathyroid gland (AN 43.2) ANATOMY CBL Thyroid swellings (AN 35.8) (ECE using a case of thyroid swelling) |
| Wednesday | Hypothalamus, Pituitary (PY 8.2.1) Growth hormone (PY 8.2.2) | Structure & classification of chromosomes & sex chromatin (AN73.1, 73.2, 73.3) | CBL/ DOAP Structural and numerical chromosomal aberrations (AN 75.1, AN 75.3) Mosaics and chimeras with example (AN 75.2) | PHYSIOLOGY TUTORIAL Introduction, Mechanism of hormone action (PY 8.6) HISTOLOGY PRACTICAL Pituitary gland, thyroid, parathyroid gland (AN 43.2) ANATOMY CBL Thyroid swellings (AN 35.8) (ECE using a case of thyroid swelling) |
| Thursday | Anatomy of thyroid gland (AN 35.2) | Growth hormone (PY 8.2.2) Posterior pituitary hormones (PY 8.2.3) | 11.00am-12.00pm (LECTURE BY FACULTY FROM DEPARTMENT OF GENETICS) /CBL Multifactorial inheritance (AN 74.3) Polymorphism and mutation (AN 75.4) Genetic counselling (AN 75. 5) 12.00 Noon onwards Community medicine | BIOCHEMISTRY TUTORIAL Regulation of gene expression, repression, derepression, induction and lac operon (BI 7.3) NAT HISTOLOGY DOAP Pituitary gland, thyroid, parathyroid gland (AN 43.2) ANATOMY CBL Thyroid swellings (AN 35.8) (ECE using a case of thyroid swelling) |
| Friday | Thyroid hormone synthesis, actions (PY 8.2.4)(BI 6.13.1) | Iodine, Thyroid function tests, hyper and hypothyroidism (BI 6.14.1) AT | PHYSIOLOGY TUTORIAL (PY 8.2.1 , 8.2.2) BIOCHEMISTRY DOAP (CBL) To be able to give the biochemical basis and rationale for the tests done in thyroid disorders Case reports discussion; (BI 11.17) | Integrated teaching – case of hyperthyroidism ECE –BIOCHEMISTRY |
| Saturday | FA theory with feedback (biochemistry) | Thyroid hormone- actions ,regulation ,hypersecretion ,hyposecretion (PY 8.2.4) | PHYSIOLOGY TUTORIAL (PY 8.2.1 , 8.2.2) BIOCHEMISTRY DOAP (CBL) Biochemical tests done in thyroid disorders – Case reports discussion; (BI 11.17) | Community medicine 3 hrs |

| Week 2 Day | 8.30-9.30AM | 9.30-10.30AM | 11AM-1 PM | 2.00- 5.00 PM |
|-------------------|---|---|---|--|
| | THEORY | | SGT | SGT |
| Monday 29/06/2020 | Dietary fiber and their significance (BI 8.1) RQ, Definition, normal values, factors affecting BMR, thermogenic effect / SDA of food – definition, values for major macronutrients. Recommended daily allowance (RDA) – definition, requirements of important major nutrients, vitamins and minerals. (BI 8.1) Essential fatty acids – definition, functions and deficiency manifestations. Saturated and unsaturated fatty acids- ((BI 8.1)NAT | Histology of pineal gland (AN43.3) & Suprarenal gland (AN 52.1) including gross anatomy | DOAP Suprarenal gland (AN 52.1) | PHYSIOLOGY CBL Thyroid hormone (PY 8.2.4) ECE using a case of hyperthyroidism HISTOLOGY DOAP pineal gland (AN43.3) & Suprarenal gland (AN 52.1) ANATOMY CBL Congenital anomalies of branchial apparatus, pituitary gland, thyroid gland (AN 43.4) ECE using a case of congenital anomaly |
| Tuesday | Anatomy of testis, epididymis, vas deferens and penis (AN 46.1, AN 46.2, AN 46.3)) | Bone physiology, Calcium homeostasis (PY 8.1, 8.2.5) | DOAP Anatomy of testis (AN 46.1) Epididymis and Vas deferens with its applied aspects(AN 46.2) Describe Penis (AN 46.3) | BIOCHEMISTRY Tutorial (SGT) : NAT ECE on nutritional anemia: Obesity- important biochemical aspects in brief, life style modifications, eating disorders (BI 8.4) Essential amino acids-definition, functions. Limiting amino acids- definition and examples. Protein quality – various indices. (BI 8.5) Nitrogen balance – definition and examples of positive and negative nitrogen balance, protein sparing effect, mutual supplementation of protein (BI 8.5) Nutritional anemias-causes, deficiency symptoms and biochemical evaluation (BI 8.5) HISTOLOGY PRACTICAL pineal gland (AN43.3) & Suprarenal gland (AN 52.1) ANATOMY CBL Congenital anomalies of branchial apparatus, pituitary gland, thyroid gland (AN 43.4) ECE using a case of congenital anomaly |
| Wednesday | Actions of PTH ,regulation ,hypersecretion ,hyposecretion (PY 8.2.5) | Male pelvic viscera (prostate, ejaculatory duct, seminal vesicles) (AN 48.2) | DOAP Male pelvic viscera (AN 48.2) | PHYSIOLOGY CBL Thyroid hormone (PY 8.2.4) ECE using a case of hyperthyroidism HISTOLOGY DOAP pineal gland (AN43.3) & Suprarenal gland (AN 52.1) ANATOMY CBL Congenital anomalies of branchial apparatus, pituitary gland, thyroid gland (AN 43.4) |
| Thursday | Development and developmental basis of congenital anomalies of branchial apparatus, pituitary gland, thyroid gland (AN 43.4) | Endocrine pancreas (PY 8.2.10) | FA DOAP with feedback (Anatomy) | BIOCHEMISTRY Tutorial (SGT) : ECE on nutritional anemia: NAT Obesity- important biochemical aspects in brief, life style modifications, eating disorders (BI 8.4) Essential amino acids-definition, functions. Limiting amino acids- definition and examples. Protein quality – various indices. (BI 8.5) Nitrogen balance – definition and examples of positive and negative nitrogen balance, protein sparing effect, mutual supplementation of protein (BI 8.5) Nutritional anemias-causes, deficiency symptoms and biochemical evaluation (BI 8.5) HISTOLOGY DOAP pineal gland (AN43.3) & Suprarenal gland (AN 52.1) ANATOMY CBL Congenital anomalies of branchial apparatus, pituitary gland, thyroid gland (AN 43.4) ECE using a case of congenital anomaly |
| Friday | Endocrine pancreas (PY 8.2.10) | Blood glucose level its hormonal maintenance, diabetes mellitus (BI 3.9) AT | PHYSIOLOGY TUTORIAL Disorders of bone and calcium homeostasis (PY 8.1, 8.2) BIOCHEMISTRY DOAP Demonstrate estimation of glucose in serum (BI 11.21) | INTEGRATED LEARNING PY 11.6, 11.9, 11.10 (Paediatrics) ECE using growth charts |
| Saturday | Diagnostic approach to diabetes mellitus: Blood glucose, glucose tolerance test (details in practical), glycosylated Hb, fructosamino albumin, insulin, C-Peptide, Microalbuminuria, Glycosuria, Tests for reducing substances in urine (BI 3.10) AT | Endocrine pancreas (PY 8.2.10) Adrenal gland introduction, synthesis of adrenocortical hormones (PY 8.2.6) | PHYSIOLOGY TUTORIAL Disorders of bone and calcium homeostasis (PY 8.1, 8.2) BIOCHEMISTRY DOAP Demonstrate estimation of glucose in serum (BI 11.21) | BIOCHEMISTRY SDL NAT Differences between DNA & RNA (BI 7.1) Structure and sources of atoms in the purine and pyrimidine rings. Functions of biologically important bases, nucleosides and nucleotides (BI 6.2) Cell cycle (BI 7.1) AFTCOM: Doctor patient relationship |

| Week 3 Day | 8.30-9.30AM | 9.30-10.30AM | 11AM-1 PM | 2.00-5. 00PM |
|-------------------|---|---|---|---|
| | THEORY | | SGT | SGT |
| Monday 06/07/2020 | Be able to outline the De novo synthesis for purines with emphasis on first two and formation of AMP, GMP from IMP and the salvage pathways, Lesch Nyhan syndrome (BI 6.2) (BI 6.4) NAT | Histology of MRS (AN 52.2) | DOAP Female pelvic viscera (AN 48.2) | PHYSIOLOGY CBL Endocrine pancreas associated disorders (PY 8.2.10) Metabolic syndrome (PY 8.5.1) Sedentary lifestyle (PY 11.5) ECE using a case of type II diabetes mellitus HISTOLOGY DOAP Male reproductive system (AN 52.2) ANATOMY CBL Applied aspects of MRS (AN 46.4, AN 46.5, AN 48.7, AN 48.5) ECE using cases on Applied aspects of MRS) |
| Tuesday | Anatomy of female reproductive system (AN 48.2, 48.5, 48.8) | Adrenal cortex Glucocorticoids (PY 8.2.6) | DOAP Perineum 1 (AN49.1, 49.2, 49.3, 49.5) | SGT (Tutorial) NAT To know the application of purines, pyrimidines and nucleotide analogs in clinical situations (BI 6.2) Describe briefly pyrimidine synthesis, importance of thymidylate synthase, Orotic aciduria (BI 6.2) HISTOLOGY DOAP Male reproductive system (AN 52.2) ANATOMY CBL Applied aspects of MRS (AN 46.4, AN 46.5, AN 48.7, AN 48.5) ECE using cases on Applied aspects of MRS) |
| Wednesday | FA theory with feedback -Physiology Physiology (gradable online quiz for endocrine system) (20 MARKS) Adrenal cortex Glucocorticoids (PY 8.2.6, PY 8.5.2) | Perineum 1 (AN49.1, 49.2, 49.3, 49.5) | DOAP Perineum 1l (AN49.1, 49.2, 49.3, 49.5) | PHYSIOLOGY CBL Endocrine pancreas associated disorders (PY 8.2.10) Metabolic syndrome (PY 8.5.1) Sedentary lifestyle (PY 11.5) ECE Using a case of type II diabetes mellitus HISTOLOGY DOAP Male reproductive system (AN 52.2) ANATOMY CBL Applied aspects of MRS (AN 46.4, AN 46.5, AN 48.7, AN 48.5) ECE using cases on Applied aspects of MRS) |
| Thursday | Perineum 1l (AN49.1, 49.2, 49.3, 49.5)/ | Development of reproductive system (PY 9.1) Puberty (PY 9.2) | DOAP Pelvic diaphragm & sacral plexus (AN48.1, 48.4) Closing session (AETCOM Cadaver as our first teacher) | SGT (Tutorial) NAT To know the application of purines, pyrimidines and nucleotide analogs in clinical situations (BI 6.2) Describe briefly pyrimidine synthesis, importance of thymidylate synthase, Orotic aciduria HISTOLOGY DOAP Male reproductive system (AN 52.2) ANATOMY CBL Applied aspects of MRS (AN 46.4, AN 46.5, AN 48.7, AN 48.5) ECE using cases on Applied aspects of MRS) |
| Friday | Male reproductive system (PY 9.3) | Degradation of purines, pyrimidine synthesis (BI 6.4) NAT | PHYSIOLOGY CBL Adrenal medulla (PY 8.2.9) Pineal gland (PY 8.3) BIOCHEMISTRY DOAP To be able to give the biochemical basis and rationale for the tests done in diabetes mellitus (BI 11.17) Familiarize with the procedure for GTT & its interpretation (BI 11.21) | INTEGRATED (ECE-Talk by a Surgeon, case discussions) Clinical anatomy of pelvis (AN48.5, 48.8) |
| Saturday | Energy content of different food Items (BI 11.23) NAT | Male reproductive system (PY 9.3) | PHYSIOLOGY CBL Adrenal medulla (PY 8.2.9) Pineal gland (PY 8.3) BIOCHEMISTRY DOAP To be able to give the biochemical basis and rationale for the tests done in diabetes mellitus (BI 11.17) Familiarize with the procedure for GTT & its interpretation (BI 11.21) | ANATOMY SDL (gradable online quiz for the lessons taken for three weeks) (10 MARKS) FA theory with feedback SDL AETCOM (doctor patient relationship) |

| Week 4 Day | 8.30-9.30AM | 9.30-10.30AM | 11AM-1 PM | 2.00- 5.00 pm |
|----------------------|---|---|---|--|
| | THEORY | | SGT | SGT |
| Monday 13/07/2020 | Replication of DNA Inhibitors of DNA replication, their mechanism of action and application (BI 7.2) NAT | Histology of female reproductive system (AN 52.2) | TABLE TEST (Continuous assessment) (Spotters of endocrine & RS) (10 MARKS) | PHYSIOLOGY CBL Adrenal cortex-Mineralocorticoids (PY 8.2.8) Adrenal androgens (8.2.7) Adrenal gland associated disorders (PY 8.2.6) PY 9.1 ECE using cases of adrenal gland associated endocrine disorders HISTOLOGY DOAP Uterus & ovary (AN 52.3) ANATOMY DEMONSTRATION Special radiographs of abdominopelvic region (Hysterosalpingography) (AN 54.2) Embryology models of RS (AN52.8) |
| Tuesday | Pelvic diaphragm & sacral plexus (AN48.1, 48.4) | Female reproductive system (PY 9.4) | Lecture: NAT Principles of gene cloning with applications of restriction endonucleases, vectors (BI 7.4) Applications of recombinant DNA, genomic and cDNA library and gene therapy (BI 7.4) LECTURE: NAT Chemical and viral mutagens (BI 7.3) Human genome project, proteomics and metabolomics (BI 7.1) | BIOCHEMISTRY TUTORIAL: ECE using a case to know the application of PCR: PCR and Western , Southern and Northern Blotting , RFLP,VNTRs, DNA chips and microarray, DNA hybridization techniques, FISH monoclonal antibodies and anti –sense therapy (BI 7.4) HISTOLOGY DOAP Uterus & ovary (AN 52.3) ANATOMY DEMONSTRATION Special radiographs of abdominopelvic region (Hysterosalpingography) (AN 54.2) Embryology models of RS (AN52.8) |
| Wednesday | Female reproductive system (PY 9.4) | Describe the development of male reproductive system (AN 52.8) | LECTURE: Protein targeting & sorting along with its associated disorders (BI 9.3) Cancer initiation, promotion oncogenes & oncogene activation. Also focus on p53 & apoptosis (BI 10.1) NAT | PHYSIOLOGY CBL Adrenal cortex-Mineralocorticoids (PY 8.2.8) Adrenal androgens (8.2.7) Adrenal gland associated disorders (PY 8.2.6) PY 9.1 ECE using cases of adrenal gland associated endocrine disorders HISTOLOGY DOAP Uterus & ovary (AN 52.3) ANATOMY DEMONSTRATION Special radiographs of abdominopelvic region (Hysterosalpingography) (AN 54.2) Embryology models of RS (AN52.8) |
| Thursday | Development of female reproductive system (AN 52.8) | Actions of estrogens ,progesterones (PY 9.5) | Lecture: 11- 12 NAT Transcription process in prokaryotes and how it differs from eukaryotes (BI 7.2) Inhibitors of transcription, their mechanism of action and application (BI 7.2) Lecture: 12-1.00 NAT Post transcriptional modifications. Understand the concept of Reverse Transcriptase (BI 7.2) To know the characteristics of Genetic code. Explain the Wobble hypothesis (BI 7.2) | BIOCHEMISTRY TUTORIAL ECE using a case to know the application of PCR: PCR and Western , Southern and Northern Blotting , RFLP,VNTRs, DNA chips and microarray, DNA hybridization techniques, FISH monoclonal antibodies and anti –sense therapy (BI 7.4) HISTOLOGY DOAP Uterus & ovary (AN 52.3) ANATOMY DEMONSTRATION Special radiographs of abdominopelvic region (Hysterosalpingography) (AN 54.2) Embryology models of RS |
| Friday | Pregnancy ,Parturition (PY 9.8.1) | Process of translation and inhibitors, their mechanism of action and application Post translational modification (BI 7.2) NAT | PHYSIOLOGY CBL Tests for pregnancy, Menopause, (PY 9.10 ,9.11.) PY 11.7 BIOCHEMISTRY DOAP: Provide dietary advice for optimal health in childhood and adult, in diabetes mellitus (BI 8.3) | PHYSIOLOGY CBL Tests for pregnancy, Menopause, (PY 9.10 ,9.11) PY 11.7 BIOCHEMISTRY DOAP: Provide dietary advice for optimal health in childhood and adult, in diabetes mellitus (BI 8.3) |
| THIRD SATURDAY | | | | |

| Week 5 Day | 8.30-9.30AM | 9.30-10.30AM | 11AM-1 PM | 2.00- 5.00 PM |
|-------------------|---|--|---|--|
| | THEORY | | SGT | SGT |
| Monday 20/07/2020 | To know the isolation of DNA from blood or tissues (BI 11.16) NAT | Mammary gland (AN9.2, 9.3) | REVISION (FA in DOAP with feedback) (Endocrine, RS, genetics, bony pelvis, embryology models) | PHYSIOLOGY TUTORIAL- Revision HISTOLOGY DOAP fallopian tube, cervix, mammary gland (AN52.3, 9.2) ANATOMY SGT Bony pelvis (AN53.2, 53.3) |
| Tuesday | Malnutrition (BI 8.2) NAT | Pregnancy ,Parturition (PY 9.8.1) Lactation (PY 9.8.2) | TABLE TEST (Continuous assessment) (VIVA of genetics, bony pelvis, embryology models & x-ray) (20 MARKS) | BIOCHEMISTRY LAB VISIT: To know in brief about Quality control (BI 11.16) To know the working of a autoanalyser in biochemistry lab (BI 11.16) HISTOLOGY DOAP fallopian tube, cervix, mammary gland (AN52.3, 9.2) ANATOMY SGT Bony pelvis (AN53.2, 53.3) |
| Wednesday | DNA damage and repair, oncogenes and tumor suppressor genes (BI 7.3) NAT | FA theory with feedback-Anatomy | To be able to give the biochemical basis and rationale for the tests done in gout (BI 11.17) NAT FA theory with feedback (biochemistry) | PHYSIOLOGY TUTORIAL-Revision HISTOLOGY DOAP fallopian tube, cervix, mammary gland (AN52.3, 9.2) ANATOMY SGT Bony pelvis |
| Thursday | Biochemistry Lecture NAT To define tumor markers with examples To know the clinically important tumor markers with the interpretation To describe the biochemical basis of cancer therapy To list common anticancer drugs with mode of action (BI 10.2) | PY 9.6 PY 9.7 PY 9.9 PY 9.12 | (FA in DOAP with feedback) Histology Revision Batch A: 11.00-12.00pm Batch B: 12.00-1.00pm Gross Anatomy revision Batch B: 11.00-12.00pm Batch A: 12.00-1.00pm | BIOCHEMISTRY LAB VISIT: To know in brief about Quality control (BI 11.16) To know the working of a autoanalyser in biochemistry lab (BI 11.16) HISTOLOGY DOAP fallopian tube, cervix, mammary gland (AN52.3, 9.2) ANATOMY SGT Bony pelvis (AN53.2, 53.3) |
| Friday | FA theory with feedback-Physiology Physiology (gradable online quiz for reproductive system) (20 MARKS) | NAT To know about free radicals, lipid peroxidation and antioxidants (7.7) To know the role of oxidative stress in cancer and complications of diabetes mellitus (7.7) | PHYSIOLOGY – Endocrine and reproductive system CASE BASED DISCUSSION -VIVA (30 MARKS) FA theory with feedback -Physiology BIOCHEMISTRY FA DOAP with feedback OSPE + Spotters (15 Marks) | TBL (PHYSIOLOGY) –Endocrine and reproductive system (70 MARKS) (Continuous assessment) |
| Saturday | Continuous assessment for Biochemistry (20 Marks) | PY Revision | PHYSIOLOGY – Endocrine and reproductive system CASE BASED DISCUSSION -VIVA (30 MARKS) FA theory with feedback Physiology BIOCHEMISTRY- FA DOAP with feedback OSPE + Spotters (15 Marks) | Chaperones, protein folding and associated diseases (BI 7.2) Sports and extracurricular activities |

| Week 6 Day | 8.30-9.30AM | 9.30-10.30AM | 11AM-1 PM | 2.00-5.00PM |
|-----------------------------|---|--------------|-----------|---|
| | ASSESSMENT | | | |
| Monday 27/07/2020 | THEORY EXAM (ANATOMY) 30 MARKS (Continuous assessment) Essay : 1 question - 10 marks Short notes - 5 questions (4 marks each) - 20 marks | | | (Continuous assessment) HISTOLOGY Spotter test (10 MARKS) BATCH A Biochemistry Spotters BATCH C |
| Tuesday | THEORY EXAM (PHYSIOLOGY) -30 marks (Continuous assessment) Essay : 1 question - 10 marks Short notes - 5 questions (4 marks each) - 20 marks | | | (Continuous assessment) HISTOLOGY Spotter test (10 MARKS) BATCH B Biochemistry Spotters BATCH A |
| Wednesday | BLOCK EXAM BIOCHEMISTRY -30 marks (Continuous assessment) Essay : 1 question - 10 marks Short notes - 5 questions (4 marks each) - 20 marks | | | (Continuous assessment) HISTOLOGY Spotter test (10 MARKS) BATCH C Biochemistry Spotters BATCH B |
| Thursday | | | | |
| Friday | | | | |
| Saturday | | | | |