

**BLOCK I –BATCH 2019-20**  
**3<sup>rd</sup> September to 2<sup>nd</sup> November**

**Week 1**  
**3<sup>rd</sup> September to 7<sup>th</sup> September**

<b>Time</b>	<b>Mon 2<sup>nd</sup> September</b>	<b>Tue 3<sup>rd</sup> September</b>	<b>Wed 4<sup>th</sup> September</b>	<b>Thus 5<sup>th</sup> September</b>	<b>Fri 6<sup>th</sup> September</b>	<b>Sat 7<sup>th</sup> September</b>
<b>8 -9am</b>	Feedback of foundation course And reflective writing	Physiology (L) PY1.2 Principles of homeostasis	Biochemistry (L) BI 1.1 sub-cellular components & fractionation	Anatomy L AN 2.1 Describe parts, blood and nerve supply of a long bone.	Physiology (L) PY2.1 Composition and functions of blood components	AETCOM 1.5. Cadaver as first teacher
<b>9 – 10am</b>	Feedback of foundation course And reflective writing	Anatomy L AN 1.2 Describe composition of bone and bone marrow	Community Medicine (L) CM1.1 Define and describe the concept of Public Health	Biochemistry (L) B1 3.1 definition & classification of carbohydrate	Anatomy (L) AN 2.2 Enumerate laws of ossification	AETCOM 1.4 Foundation of Communication Large group
<b>10-11am</b>	Feedback of foundation course And reflective writing	Biochemistry (L) BI 1.1 molecular and functional organisation of cell	Anatomy (L) AN 4.2 Describe structure and function of skin with its appendages	Physiology (L) PY1.6 Fluid compartments of the body, its ionic composition & measurements (Integration with Biochemistry – BI6.7)	AETCOM 1.5. Cadaver as first teacher	ECE Basic science correlation AN 4.1 Describe different types of skin and dermatomes in body

11 – 1pm	Feedback of foundation course And reflective writing	Physiology (Practical/SGT) PY2.11 Microscope	Physiology (Practical/SGT) PY2.11Steps for Preparation of blood film PY2.11Preparation of blood film	Biochemistry (Practical/SGT) BI 3.1 tests for carbohydrate : monosaccharide & disaccharide	Physiology (Practical/SGT) PY2.11 Steps for Staining of blood film PY2.11 Staining of blood film	Anatomy SGT/Practical AN 65.1 Identify epithelium under microscope and describe the various types that correlates with its function
1-2 PM	L	U	N	C	H	
2-4pm	Feedback of foundation course And reflective writing	ANATOMY Practical/Dissection/SGT AN 1.1 Demonstrate normal anatomical position,various planes,relation,comparison, laterality and movement in our body	ANATOMY Practical/Dissection/Small group teaching AN 4.3 Describe superficial fascia along with fat distribution in body	ANATOMY Practical/Dissection/Small group teaching AN 4.4 Describe modification of deep fascia with its function	ANATOMY Practical/Dissection/Small group teaching AN 8.1 Identify the given bone,its side,important feature and keep in anatomical position	Sports

**Week 1 summary:**

**Anatomy – Lecture – 4h, Practical/Dissection/SGT – 10h; ECE – 1h**

**Physiology - Lecture – 2h, Practical/SGT – 6h ECE 1h**

**Biochemistry - Lecture – 3h, Practical/ SGT – 2h**

**CM – Lecture 1h**

**AETCOM – 3 h**

**Week 2**

**9<sup>th</sup> September to 14<sup>th</sup> September**

<b>Time</b>	<b>Mon 9th September</b>	<b>Tue 10th September No class</b>	<b>Wed 11th September</b>	<b>Thus 12th September</b>	<b>Fri 13h September</b>	<b>Sat 14<sup>th</sup> September</b>
<b>8 -9am</b>	Anatomy (L) AN 2.3 Enumerate special features of sesamoid bone		Biochemistry (L) B1 3.1 discuss monosaccharides & their isomerisation	Anatomy (L) AN 2.6 Explain the concept of nerve supply of joint and Hilton's law	Physiology (L) PY2.3 Haemoglobin breakdown	AETCOM 1.4 Foundation of Communication Discussion & closure
<b>9 – 10am</b>	Physiology (L) PY2.2 Origin, forms, variations and functions of plasma proteins		Community Medicine (L) CM1.2 Define health; describe the concept of holistic health including concept of spiritual health and the relativeness & determinants of health	Biochemistry L) BI 3.1 discuss disaccharides & polysaccharides	Anatomy (L) AN 6.1 List the component and functions of the lymphatic system.	Anatomy ECE AN 4.5 Explain principles of skin incision
<b>10-11am</b>	Anatomy (L) AN 2.4 Describe various types of cartilage with structure and distribution in body		Anatomy (L) AN 2.5 Describe various types of joint with subtype and example.	Physiology (L) PY2.3 Synthesis and functions of Haemoglobin Integration with Biochemistry BI5.2	AETCOM 1.4 Foundation of Communication Small group	ECE Basic science correlation Physiology Hospital visit

11 – 1pm	Physiology (Practical/SGT) PY2.11 Staining of blood film revision		Physiology (Practical/SGT) PY2.11 Identification of WBCs PY2.11 Determination of DLC	Biochemistry (Practical/SGT) BI 3.1 tests to differentiate: mono- disaccharide & reducing-nonreducing sugars	Physiology (Practical/SGT) PY2.11 Determination of DLC revision	Anatomy (SGT) AN 65.2 Describe the ultra structure of epithelium
1-2 PM	L	U	N	C	H	
2- 4pm	ANATOMY Practical/Dissecti on/Small group teaching AN 8.2 Identify and describe joints formed by the given bone		ANATOMY Practical/Dissection/ Small group teaching AN 8.3 Enumerate peculiarities of Clavicle.	ANATOMY Practical/Dissection/S mall group teaching AN 8.4 Demonstrate important muscle attachment on the given bone	ANATOMY Practical/Dissection/ Small group teaching AN 8.5 Identify and name various bones in articulated hand, specify the parts of Metacarpals and Phalanges and enumerate the peculiarities of Pisiform	Sports

**Week 2 summary:**

**Anatomy – Lecture – 5h, Practical/Dissection/SGT – 10h; ECE – 1h**

**Physiology - Lecture – 3h, Practical/ SGT – 6h ECE – 1h**

**Biochemistry - Lecture – 3h, Practical/ SGT – 4h**

**CM – Lecture 1h**

**AETCOM – 2h**

Week 3

16<sup>th</sup> September to 21st September

Time	Mon 16th September	Tue 17th September	Wed 18th September	Thus 19th September	Fri 20th September	Sat 21st September
8 -9am	AETCOM 1.1. What does it mean to be a doctor Exploratory session	Physiology (L) PY2.3 Different variants of haemoglobin	Biochemistry (L) BI 4.1 definition & classification of lipids, simple lipids, triglycerides	Anatomy (L), AN 10.4 Describe the anatomical group of axillary lymph node and specify their area of drainage	Physiology (L) PY2.4 Functions of RBC	ECE Basic science correlation Anatomy AN 6.3 Explain the concept of Lymphoedema and spread of tumors via lymphatics and venous system.
9 – 10am	AETCOM 1.2. What does it mean to be a doctor Panel discussion	Anatomy (L) AN 13.1 Describe and explain fascia of upper limb and compartments, veins of upper limb and its lymphatic drainage	Community Medicine (L) CM5.1 Describe the common sources of various nutrients and special nutritional requirements according to age, sex, activity, physiological conditions	Biochemistry (L) BI 4.1 essential & non-essential fatty acids, cholesterol & steroids	Anatomy (L) AN 10.7 Explain anatomical basis of enlarged axillary lymph node	ECE Basic science correlation Physiology Thalassemia patient - Case demonstration
10-11am	Anatomy L AN 6.2 Describe structure of lymph capillaries and mechanism of lymph circulation.	Biochemistry (L) BI 3.1 discuss homo & heteropolysaccharides & their role as fuels, structural elements & storage	Anatomy (L) AN 13.2 Describe dermatomes of upper limb	Physiology (L) PY2.4 RBC formation (erythropoiesis & its regulation)	AETCOM 1.3. What does it mean to be a doctor Visit to OPD for observation	AETCOM 1.4. What does it mean to be a doctor Visit to OPD for observation

11 – 1pm	Physiology (Practical/SGT) PY2.11 Haemocytometer PY2.11 Steps for the test for determination of total count of RBC	Anatomy (SGT) 70.2 Identify lymphoid tissue under microscope and describe microanatomy of lymph node, spleen, thymus, tonsil and structural function correlation	Physiology (Practical/SGT) PY2.11 Determination of total count of RBC	ECE Basic science correlation Biochemistry Hospital visit Visit to departmental service laboratory	Physiology (Practical/SGT) PY2.11 Determination of total count of RBC Revision	Anatomy (SGT) 70.1 Identify exocrine gland under the microscope and distinguish between serous, mucous and mixed acini
1-2 PM	L	U	N	C	H	lunch
2- 4pm	Anatomy SGT/Practical AN 8.6 Describe Scaphoid fracture and avascular necrosis-anatomical basis	ANATOMY Practical/Dissection/Small group teaching AN 9.1 Describe attachment, nerve supply and action of Pectoralis major and minor	ANATOMY Practical/Dissection/Small group teaching AN 10.1 Identify and describe boundaries and contents of Axilla	ANATOMY Practical/Dissection/Small group teaching AN 10.3 Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of Brachial plexus	ANATOMY Practical/Dissection/Small group teaching AN 10.2 Identify, describe, demonstrate the origin, extent, course, parts, relations and branches of Axillary artery and tributaries of vein	Sports

**Week 3 summary:**

**Anatomy – Lecture – 5h, Practical/Dissection/SGT – 14h; ECE – 1h**

**Physiology - Lecture – 3h, Practical/ SGT – 6h ECE – 1h**

**Biochemistry - Lecture – 3h, Practical/ SGT – 0h ECE – 2h**

**CM – Lecture 1h**

**AETCOM – 4 h**

**Week 4**

**23rd September to 28th September**

<b>Time</b>	<b>Mon 23rd September</b>	<b>Tue 24th September</b>	<b>Wed 25th September</b>	<b>Thus 26th September</b>	<b>Fri 27th September</b>	<b>Sat 28th September No class</b>
<b>8 -9am</b>	Anatomy (L) AN 10.9 Describe the arterial anastomosis around the scapula and mention the boundary of triangle of auscultation	Physiology (L) PY2.5 Definition and types of jaundice	Biochemistry (L) BI 4.1 sphingolipids & glycolipids & their functions	Anatomy (L) AN 11.3 Describe the anatomical basis of venipuncture of cubital vein	Physiology (L) PY2.7 Formation of platelets, functions and variations.	
<b>9 – 10am</b>	Physiology (L) PY2.5 Definition and types of anaemias	Anatomy (L) AN 10.13 Explain anatomical basis of injury to Axillary nerve intramuscular injection	Community Medicine (L) CM5.3 Define and describe common nutrition related health disorders (including macro-PEM, Micro-iron, Zn, iodine, Vit. A), their control and management	Biochemistry (L) BI 4.6 STRUCTURE & SYNTHESIS OF EICOSANOIDS	Anatomy (L) AN 11.4 Describe the anatomical basis of Saturday night paralysis	
<b>10-11am</b>	Anatomy L AN 10.6 Explain the anatomical basis of clinical features of Erb's palsy and Klumpkes paralysis	Biochemistry (L) BI 4.1 phospholipids & their functions	AETCOM Foundation of communication	Physiology (L) PY2.6 WBC formation (granulopoiesis) and its regulation	AETCOM Foundation of communication	

11 – 1pm	Physiology (Practical/SGT) PY2.11 Steps for the test for determination of total count of WBC PY2.11 Determination of total count of WBC	Anatomy (SGT) AN 71.2 Identify cartilage under the microscope and describe various types, structure, function and correlation of the same	Physiology (Practical/SGT) PY2.11 Determination of total count of WBC Revision	Biochemistry (Practical/SGT) BI 3.1 tests for polysaccharides	Physiology (Practical/SGT) PY2.11 Steps for the Test for Estimation of Haemoglobin PY2.11 Estimation of Haemoglobin	
1-2 PM	L	U	N	C	H	
2-4pm	ANATOMY Practical/Dissection/Sm AN 10.8 Describe, identify and demonstrate the position, attachment, nerve supply and actions of Trapezius and Latissimus dorsi	ANATOMY Practical/Dissection/Small group teaching AN 10.10 Describe and identify the deltoid and rotator cuff muscle	ANATOMY Practical/Dissection/Small group AN 10.11 Describe and demonstrate attachment of Serratus anterior with its action	ANATOMY Practical/Dissection/Small group teaching AN 10.12 Describe and demonstrate Shoulder joint for-type, articular surface, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy	ANATOMY Practical/Dissection/Small group teaching AN 11.1 Describe and demonstrate muscle groups of upper arm with emphasis on Biceps and Triceps brachii	

**Week 4 summary:**

**Anatomy – Lecture – 5h, Practical/Dissection/SGT – 12h**

**Physiology - Lecture – 4h, Practical/ SGT – 6h**

**Biochemistry - Lecture – 3h, Practical/ SGT – 2h**

**CM – Lecture 1h**

**AETCOM – 2 h**



**Week 5**

**30<sup>th</sup> September to 5<sup>th</sup> October**

<b>Time</b>	<b>Mon 30th September</b>	<b>Tue 1<sup>st</sup> October</b>	<b>Wed 2nd October No class</b>	<b>Thus 3rd October No class</b>	<b>Fri 4th October No class</b>	<b>Sat 5<sup>th</sup> October No class</b>
<b>8 -9am</b>	Anatomy Assessment	Physiology ECE Charts for diagnosis of different types of anaemias				
<b>9 – 10am</b>	Physiology (L) PY2.8 Physiological basis of hemostasis and, anticoagulants.	Anatomy (L) AN 12.8 Describe anatomical basis of Claw hand				
<b>10-11am</b>	Anatomy (L) AN 11.6 Describe the anastomosis around the elbow joint	Biochemistry (L) BI 4.6 function, therapeutic use of eicosanoids & inhibitors of synthesis				
<b>11 – 1pm</b>	Biochemistry (Practical/SGT) BI 3.1: identification of unknown carbohydrate	Anatomy SGT AN 17.1 Identify bone under the microscope, classify various types and describe structure, function, correlation of the same				
<b>1-2 PM</b>	Lunch	Lunch				

2-4pm	<b>ANATOMY</b> Practical/Dissection/Small group teaching AN 11.2 Identify and describe origin, course, relations, branches or tributaries, termination of important nerves and vessels in arm	<b>ANATOMY</b> Practical/Dissection/Small group teaching AN 11.5 Identify and describe boundary and content of Cubital fossa origin, course, relations, branches and tributaries, termination of important nerves				
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**Week 5 summary:**

**Anatomy – Lecture – 2h, Practical/Dissection/SGT – 6h Assessment – 1h**

**Physiology - Lecture – 1h, Practical/ SGT – 0h ECE 1h**

**Biochemistry - Lecture – 1h, Practical/ SGT – 2h**

**CM – Lecture 0h**

**AETCOM – 0 h**

Week 6

14<sup>th</sup> October to 19<sup>th</sup> October

Time	Mon 14 <sup>th</sup> October No class	Tue 15 <sup>th</sup> October No class	Wed 16 <sup>th</sup> October	Thus 17 <sup>th</sup> October	Fri 18 <sup>th</sup> October	Sat 19 <sup>th</sup> October
8 -9am			Biochemistry Assessment	Anatomy (L) AN 76.1 Describe the stages of human life	Physiology Assessment	Anatomy (L) AN 77.1 Describe the uterine changes occurring during Menstrual cycle
9 – 10am			Community Medicine (L) CM5.7 Describe food hygiene	Biochemistry (L) BI 6.7 concept of acid-base & buffer Integration with Physiology PY1.7	Anatomy (L) AN 76.2 Explain the terms – phylogeny, ontogeny, trimester, viability	AETCOM Foundation of communication
10-11am			Anatomy (L) AN 12.13 Describe anatomical basis of wrist drop	Physiology (L) PY2.8 Bleeding & clotting disorders (Hemophilia, purpura)	AETCOM 1.5. What does it mean to be a doctor Discussion	AETCOM 1.6. What does it mean to be a doctor Discussion & closure
11 – 1pm			ECE Basic clinical correlation Physiology Visit to Blood Bank	Biochemistry (Practical/SGT) BI 11.1 : commonly used laboratory apparatus & equipments	Physiology (Practical/SGT) PY2.11 Steps for the test for determination of Blood Group PY2.11 Determination of Blood Group	ECE Basic clinical correlation Anatomy AN 10.5 Explain variation in formation of Brachial plexus  AN 12.4 Explain anatomical basis of Carpal tunnel syndrome

1-2 PM			N	C	H	
2-4pm			ANATOMY Practical/Dissection/ Small group teaching AN 12.1 Describe and demonstrate important muscle group of ventral forearm with attachment,nerve supply and action.	ANATOMY Practical/Dissection/S mall group teaching AN 12.2 Identify and describe origin,course,relations ,branches and trbuteries,termination of important nerves and vessels of forearm	ANATOMY Practical/Dissection/ Small group teaching 12.3 Identify and describe flexor retinaculum with its attachment	Sports

**Week 6 summary:**

**Anatomy – Lecture – 4h, Practical/Dissection/SGT – 6h ECE – 2h**

**Physiology - Lecture – 2h, Practical/ SGT –2h Assessment 1h; ECE 2h**

**Biochemistry - Lecture – 1h, Practical/ SGT – 2h Assessment 1h**

**CM – Lecture 1h**

**AETCOM – 3 h**

**Week 7**

**21st to 26<sup>th</sup> October**

<b>Time</b>	<b>Mon 21<sup>st</sup> October</b>	<b>Tue 22nd October</b>	<b>Wed 23rd October</b>	<b>Thus</b>	<b>Fri 25th October</b>	<b>Sat 26th October</b>
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8 -9am	Anatomy SDL AN 5.3 list the general differences between arteries and veins	Physiology (L) PY2.9 Clinical importance of blood grouping	Physiology L PY2.10 Definition and different types of immunity	Anatomy (L) AN 77.3 Describe Spermatogenesis and Oogenesis along with diagram	Physiology (L) PY2.10 Development of immunity and its regulation	ECE Basic clinical correlation Anatomy AN 77.5 Enumerate and describe the anatomical principles underlying contraception
9 – 10am	Physiology (L) PY2.9 Different blood groups	Anatomy (L) AN 66.1 Describe and identify the various types of connective tissue with functional correlation	Community Medicine (L) CMS.8. Describe and discuss the importance and methods of food fortification and effects of additives and adulteration	Physiology SDL Component Separation of blood and its practical application	Anatomy (L) AN 12.10 Explain infection of fascial spaces of palm	Physiology ECE Hemophilia - Case demonstration
10-11am	Anatomy (L) AN 77.2 Describe the synchrony between the ovarian and menstrual cycle	Biochemistry SDL Phospholipids as lung surfactant & association with rds	Anatomy (L) AN 66.2 Describe the ultra structure of connective tissue	Physiology (L) PY2.9 Blood banking and transfusion	AETCOM What does it mean to be a patient Exploratory	AETCOM What does it mean to be a patient Visit to OPD
11 – 1pm	Biochemistry ECE Visit to departmental central laboratory & demonstration of instruments Visit to central sample collection unit & discussion of good & safe laboratory practice	ANATOMY (SGT) AN 72.1 identify the skin and its appendages under the microscope and correlate the structure w2ith function	Physiology (Practical/SGT) PY2.11 Test for Estimation of BT/CT PY2.11 Estimation of BT/CT	Biochemistry (Practical/SGT) BI 11.1 : good & safe laboratory practice & waste disposal	Physiology (Practical/SGT) PY2.12 Steps for the Test for determination of Haematocrit PY2.12 Determination of Haematocrit	ANATOMY (SGT) 12.5 Identify and describe small muscles of hand and also explain movement of thumb with muscle involved.
1-2 PM	L	U	N	C	H	

<b>2-4pm</b>	ANATOMY Practical/Dissection/Small group teaching 12.6 Describe and demonstrate movements of thumb and muscle involved	ANATOMY Practical/Dissection/Small group teaching AN12.7 Identify and describe course and branches of important blood vessels and nerves of hand	ANATOMY Practical/Dissection/Small group teaching AN12.9 Identify and describe fibrous flexor sheath, ulnar bursa, radial bursa and digital synovial sheath	ANATOMY Practical/Dissection/Small group teaching AN12.11 Identify and describe and demonstrate important muscle group of dorsal forearm with attachment, nerve supply and action	ANATOMY Practical/Dissection/Small group teaching AN12.12 Identify and describe origin, course, relations, branches, termination of important nerves and vessels of back of fore arm	<b>Sports</b>
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**Week 7 summary:**

**Anatomy – Lecture – 5h, Practical/Dissection/SGT – 14h ECE – 1h; SDL 1h**

**Physiology - Lecture – 5h, Practical/SGT – 4h ECE 1h Physiology – SDL 1h**

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

**CM – Lecture 1h**

**AETCOM – 2 h**

**Week 8**

**28<sup>th</sup> October to 2<sup>nd</sup> November**

<b>Time</b>	<b>Mon 28th October No class</b>	<b>Tue 29th October No class</b>	<b>Wed 30th October No class</b>	<b>Thus 31<sup>st</sup> October</b>	<b>Fri 1st November</b>	<b>Sat 2nd November No class</b>
<b>8 -9am</b>				Anatomy (L) AN 77.4 Describe the stages and consequences of fertilization	ANATOMY ASSESSMENT	

9 – 10am				Biochemistry (L) BI 6.7 processes involved in maintenance of normal ph, water & electrolyte balance of body fluids Integration with Physiology PY1.6,1.7	Biochemistry ECE Demonstration of laboratory waste disposal in service & central laboratory  Demonstration of ph meter & electrolyte analyser	
10-11am				Physiology SDL Vaccination	AETCOM What does it mean to be a patient Visit to OPD	
11 – 1pm				Biochemistry (Practical/SGT) BI 11.2: preparation of buffers	Physiology Practical SGT PY2.12 Determination of RBC Indices	
1-2 PM				C	H	
2-4pm				ANATOMY Practical/Dissection/Small group teaching AN 12.4 Identify and describe compartments, deep to extensor retinaculum	ANATOMY Practical/Dissection/Small group teaching AN 12.5 Identify and describe extensor expansion formation	

**Week 8 summary:**

**Anatomy – Lecture – 1h, Practical/Dissection/SGT – 4h Assessment 1h**

**Physiology - Lecture – 1h, Practical/ SGT – 2h**

**Biochemistry - Lecture – 1h, Practical/ SGT – 2h ECE 2h**

**CM – Lecture 0h**  
**AETCOM – 1h**

# **Summary of Block 1**

**Anatomy –**  
**Lecture – 31h**  
**Practical/Dissection/SGT – 76h**  
**ECE – 6h**  
**SDL – 1h**  
**Assessment – 2h**

**Physiology –**  
**Lecture – 20h**  
**Practical/Dissection/SGT – 32h**  
**ECE – 6h**  
**SDL – 2h**  
**Assessment – 1h**

**Biochemistry –**  
**Lecture – 14h**  
**Practical/Dissection/SGT – 12h**  
**ECE – 6h**  
**SDL – 1h**  
**Assessment – 1h**

**CM – Lecture 6h**

**AETCOM – 17h**