|  |  |  |
| --- | --- | --- |
| **Master Time table Of Phase I M.B.,B.S. Of Lokmanya Tilak Municipa Medicall College, Sion, Mumbai -22.** |  |  |
| **1st February to 15 th May 2021** |  |
|  | **ANATOMY** | **PHYSIOLOGY** | **BIOCHEMISTRY** | **COMMUNITY MEDICINE** |
| **Lecture** | Anatomical Terminology (AN1)Gross Anatomy – Inferior Extremity (AN15 to 20)Gross Anatomy – Abdomen and Pelvis (AN44 to 49)General Anatomy (AN1 to 7)General Histology (AN65 to 72)Systemic Histology – Gastrointestinal System, Liver, Gall bladder, Pancreas, Urinary System, Female Reproductive System, Male Reproductive System (AN52)General Embryology (AN76 to 81)Systemic Embryology – Alimentary System, Urinary System, Female Reproductive System, Male Reproductive System, Diaphragm (AN52) | General physiology- PY1.1-1.5,1.9(3 hrs)Nerve – PY3.1-3.6,1.8 (7 hrs )Muscle – PY3.7-3.11,3.13 (11 hr )Blood – PY2.1-2.10 (15hrs)Respiratory system- PY 6.1-6.7(15 hrs)cardiovascular system PY5.1-5.11 (14 hrs) | Cell-Bio-1.1 (1Hr)Enzymes – Bio-2.1,2.3 to 2.7 (4 Hrs)Chemistry of Carbohydrates –Bio-3.1 (2 Hrs)Chemistry of Lipids –Bio-4.1 (3 Hrs)Chemistry of Proteins –Bio-5.1 (1 Hrs)Digestion & Absorption- Bio-3.2,3.3, 4.2 & 5.3 ( 3 Hrs)Hemoglobin- structure Bio-5.2(1hr), Hemoglobin Meta- Bi-6.11,6.12 ( 3 Hrs)Biological Oxidation –Bi 6.6(2 Hrs)Acid Base Balance & Water Electrolyte Balance- Bi 6.7 (4 Hrs)RFT, LFT- Bi 6.13 to 6.14 (2 Hrs) | Introduction to Community Medicine CM 1.1 (1 hr)Concept of Public Health 1.1 (1hr)Concept of Health-Definition & dimensions of Health, Concept of Well Being 1.2 (1 hr)Concept of Disease- Epidemiological triad of disease, multifactorial causation 1.3 &1.4 Concept of Disease- Natural History of Disease (1 hr)Levels of prevention & modes of intervention1.5 (1hr)Health Education, IEC, BCC – 1.6 (1 hr)Definition, Approach, models & Principles of Health education, Indicators of Health 1.7 (1 hr) Describe the health hazards of air, water, noise, radiation & pollution 3.1 (1hr) |
| **Total hrs** | 100 | 65 | 32 | 8 |
| **Alignment (hrs)** | Physiology – 10Biochem - 3 | Biochem – 6Anatomy – 3 | Physiology – 10 |  |
| **Integration (hrs)** | Patho – 1FMT – 2Anaesthesia – 2Gen. Med. -2 OBGY – 3G.Surg – 7Ortho – 9P.T . – 1 | Pathology – 26Anaesthesia – 2Pharmacology – 1 Gen. medicine – 9Respiratory med. – 3 | Gen. med. – 19Patho – 4 |  |
| **Demonstration/ Small group/ DOAP session** | Anatomical Terminology (AN1)Ethics in Anatomy (AN82)Osteology - Inferior Extremity (AN14)Osteology – Abdomen and Pelvis (AN53)Radiography, Living Anatomy and Surface marking - Inferior Extremity (AN20)Radiography - Abdomen and Pelvis (AN54)Living Anatomy and Surface marking - Abdomen and Pelvis (AN55)Sectional Anatomy - Abdomen and Pelvis (AN 51) | Hematology (Demo)-PY2.12,2.13nerve- muscle –(Demo)-PY3.18(6) hrsHematology (DOAP)-PY2.11Clinical examination (DOAP)-PY4.10,11.13,5.12Muscle (DOAP)-PY3.14BLS (DOAP)-PY11.14CVS-(SGT)-PY | Interpretation of ABG - Bi 6.8 (1Hrs)Interpretation of LFT, RFT- Bi-6.15 (2 Hrs)Interpretation of LFT, RFT- Bi-6.15 (2 Hrs)SGOT, SGPT Bi-2.2 (2Hrs)Lab Equipments, Safety & BMW- Bi-11.1 ( 2 Hrs)Buffers- Bi-11.2 ( 2 Hrs)Normal Urine – Bi 11.3 ( 1 Hrs)Colorimetry& Spectrophotometry - Bi-11.6 , 11.18- 1 HrsElectrolyte analysis by ISE – Bi- 11.16 ( 1 Hr) |  |
| **Total hrs** | 50 | 45 | 12 |  |
| **Practical** | Dissection - Inferior Extremity (AN15 to 20)Dissection - Abdomen and Pelvis (AN44 to 49)Histology - General Histology (AN65 to 72)Systemic Histology – GIT, Liver, Gall bladder, Pancreas, Urinary System, FRS, MRS (AN52) | Nerve (SGT)-PY3.17Muscle (SGT)-PY3.12Revision(SGT) (18hrs) | Normal Urine – Bi 11.4 ( 2 Hrs)Practical estimation Creatinine, - Bi 11.7,11.21,11.23 ( 3 Hrs)Estimation of Blood Urea- Bi-11.21 ( 3 Hrs)Estimation of Calcium- Bi-11.11 ( 3 hrs)Estimation of Phosphorus-Bi-11.11 (3 Hrs)Estimation of Bilirubin- Bi-11.12-(3 Hrs)Estimation of SGOT, SGPT Bi- 11.13 (2 Hrs)Estimation of ALP- Bi-11.14 ( 3 Hrs)Revision (9hrs) |  |
| **Total hrs** | 100 | 41 | 31 |  |
| **Early Clinical Exposure &** | Hernia & Hydrocele 3hrsVaricose veins 3 hrsAppendicitis & Cholecystectomy 4 hrs | **ECE** (Early clinical exposure)-3 hrsVisit to blood bank**ECE** (Early clinical exposure) - 6 hrsAnemiajaundice**ECE** (Early clinical exposure)-3hrsPulmonary function test | Visit to Blood sample collection area,BI 11.1 (3 hrs)Visit to Clinical Biochemistry Lab. BI 11.16-11.17(3 hrs)Visit to Emergency Lab, ABG Analysis BI 6.8 & 11.16 (3 hrs)Interpretation of ABG report(3 hrs) |  |
| **Total**  | 10 | **12** | 12 |  |
| **Self-Directed Learning** | 15 hrs |  8 | 7  |  |
| **AETCOM**  | 5 | 8 | 4 |  |
| **1 st June 2021 to 16th August 2021** |  |
|  | **ANATOMY** | **PHYSIOLOGY** | **BIOCHEMISTRY** | **COMMUNITY MEDICINE** |
| **Lecture** | **Gross Anatomy–Superior Extremity – Pectoral region, Breast (AN9),Axilla, Shoulder and Scapular region (AN10), Joints – Pectoral girdle (AN13)****Gross Anatomy – Thorax (AN21 to 24)****Gross Anatomy – Head, Neck (AN27 to 43)****Neuroanatomy (AN56 to 63)****Genetics (AN73 to 75)****Systemic Histology – Respiratory System (AN25), Salivary glands, Tongue, Endocrine glands, Eye, Ear (AN43), Nervous System (AN64)****Systemic Embryology –Respiratory System, Circulatory system (AN25), Face, Palate, Tongue, Branchial apparatus, Eye, Ear, Endocrine glands (AN43), Nervous System (AN64)** | **G.I.T. – PY 4.1-4.9 (11hrs )****Renal system –PY7.1-7.6 (14 hrs)****Reproductive system –PY9.1-9.9 (12 hrs)****Cardiovascular system (PY5.1-5.11) – 4hrs****CR changes during exercise-(PY11.4) 2hrs****Neurophysiology –(PY10.1-10.4) 8 hrs****Endocrinology- (PY8.4) 3 hrs** | **Metabolism of Carbohydrates- Bi- 3.4-3.7 ( 5)****Metabolism of Lipids- Bi- 4.3,4.4 ,4.6 including beta Oxidation- Bi-6.6 ( Hrs-4)****Metabolism of Proteins- Bi- 5.4 ( Hrs- 6 )****Integration- Bi 6.1 (1 Hrs)****Nucleic acid Chemistry- Bi-7.1 (2 Hrs) Nucleic acid metabolism – Bi 6.2 to 6.4 ( 02 Hrs)****Genetics-Bi-7.2 -7.4 (6 Hrs)** | Communication for Health education- communication process & types of Communication 1.9 (1hr)Community Diagnosis 17.2 (1 hr) |
| **Total hrs** | 60 | 54 | 36 | 7 |
| **Alignment (hrs)** | **Physio – 5** | **Biochem – 1** | **Anatomy – 2****Physiology – 11** |  |
| **Integration (hrs)** | **Patho – 2****FMT – 1****Gen. Med. – 1** **G.Surg – 5****Ortho – 5** | **Gen. Med – 9****OBGY – 1****Comm. Med – 1****Anaesthesia – 3** | **Gen, med – 31****Patho – 11****Paeds – 8****Gen. surg – 2****Obgy – 2**  |  |
| **Demonstration/ Small group/ DOAP session** | **Osteology – Superior Extremity – Clavicle, Scapula, Humerus (AN8)****Osteology – Thorax (AN21)****Osteology – Head, Neck (AN26)****Radiography, Living Anatomy and Surface marking – Thorax (AN25)****Radiography, Living Anatomy and Surface marking – Head, Neck (AN43)** | **Cardiac muscle graphs(DEMO)-PY3.18****Examination of Respiratory system (DOAP) –PY6.8-6.10****BLS(DOAP)-PY11.14****Examination of CVS (DOAP)- PY5.12-5.16****Revision (18hrs)****Tutorials: 15 Hrs** | **Interpretation of lipid Profile Bi- 4.5 & 4.7 ( 1 Hr)****Interpretation of lab tests related to Proteins- bi-5.5 (1 Hr)****Amino acid Chromatography, Paper, TLC – Bi 11.5 & 11.16( 2 Hrs)** **Protein electrophoresis, PAGE- Bi- 11.16- (2 Hrs)****DNA Isolation Bi-11.16 (1 Hrs)****Diabetes Mellitus Integ- Bi-3.10 (1 Hr)** |  |
| **Prosections** | **Brain and Spinal cord (AN56 to 63)** |  |  |  |
| **Total hrs** | **50** | **95** | **8** |  |
| **Practical** | **Dissection –Superior Extremity – Pectoral region, Breast (AN9),Axilla, Shoulder and Scapular region (AN10), Joints – Pectoral girdle (AN13)****Dissection – Thorax (AN21 to 24)****Dissection – Head, Neck (AN27 to 43)****Systemic Histology – Respiratory System (AN25), Salivary glands, Tongue, Endocrine glands, Eye, Ear (AN43), Nervous System (AN64)** | **---** | **Estimation of TP, Albumin & AG Ratio – Bi-11.8,11.21 & 11.22 ( 3 Hrs)****Estimation of Total Cholesterol, HDL Cholesterol Bi-11.9 (3 Hrs)****Estimation of Triglycerides- Bi -11.10 ( 3 Hrs)****Estimation of Plasma glucose- Bi-11.21 ( 3 Hrs)****Revision (9hrs)** |  |
| **Total hrs** | **100** | **----** | **21** |  |
| **Early Clinical Exposure &** | **Applied anatomy of Breast****Applied anatomy of Shoulder joint****Applied anatomy of Shoulder girdle 3 hrs****Applied anatomy of Coronary arteries &amp;****Myocardium****Applied anatomy of esophagus****Applied anatomy of pericardium 3 hrs****Applied anatomy of Chest wall****Applied anatomy of Lungs****Applied anatomy of Mediastinum 4 hrs** | **ECG interpretation normal and abnormal 3 hrs****Visit to dialysis unit & CRF patients 3 hrs****Lung Function Tests/ X-ray/ PFT/ Spirometry 3 hrs** | **Visit to Dialysis Unit BI 6.13-15 (3 hrs)****Visit to Thalassemia Centre BI 6.12 (3 hrs)****HPLC for detection of thalassemia (3hrs)** |  |
| **Total**  | **10** | **9** | **9** |  |
| **Self-Directed Learning** | **15** |  **7**  | **7** |  |
| **AETCOM**  | **5** | **7** | **--** |  |
| **17th August to 13th November 2021** |  |
|  | **ANATOMY** | **PHYSIOLOGY** | **BIOCHEMISTRY** | **COMMUNITY MEDICINE** |
| **Lecture** | **Gross Anatomy –Superior Extremity – Arm and cubital fossa, Forearm, Hand****(AN11 to 13)****Systemic Embryology – Development of upper and lower limb (AN13, 20)****Gross Anatomy – Vertebral column (AN50)****Integrated teaching****Revision** | **Neurophysiology(PY10.4-10.10) 14hrs****Endocrinology(8.1-8.5) – 9hrs****Sp. Senses(10.13-10.19)- 9 hrs****Infancy(11.6) – 1 hr ,Aging(11.7) -1hr ,****temperature regulation(11.1-11.3)- 2 hrs ,sedentary life style( 11.5)-1hr ,****meditation(11.12) -1hr,****brain death(11.11) – 1hr** | **Thyroid function tests & Adrenal function tests- Bi 6.13,6.14 (2 Hrs)****Xenobiotics- Bi-7.5 (1 Hrs)****Antioxidants,Oxidative stress, Vit C, E, Selenium Bi-7.6,7.7,6.5,6.9,6.10- (4 Hrs)****Nutrition- Bi-8.1-8.5 ( 4 Hrs)** |  |
| **Total hrs** | **60** | **39** | **19** |  |
| **Alignment**  | **---** | **Anatomy - 8** | **---** |  |
| **Integration**  | **Patho – 1****FMT – 1****Anaesthesia – 2****Gen. Med. – 2** **G.Surg – 7****Ophthal – 6****E. N. T . – 1** | **Psychiatry – 4****ENT – 4****Ophthalm – 4** **Paeds - 3** | **Paediatrics – 6** **Gen. med. -5****Pathology – 5****Comm. Med – 1****Obgy – 2****Gen. surg - 2** |  |
| **Demonstration/ Small group/ DOAP session** | **Osteology - Superior Extremity – Radius, Ulna, Articulated hand (AN8)****Radiography, Living Anatomy and Surface marking – Superior Extremity (AN13)****Vertebral column (AN50)****Revision** | **Clinical examination of nervous system(DOAP)-PY10.11,10.20****Perimetry(DOAP)-PY10.20****Growth chart & anthropometry(SGT)-PY11.9-11.10****EEG(SGT)-PY10.12****Revision ( 21 hrs)** | **Interpretation of Thyroid function tests & Adrenal function tests- Bi-6.15 ( 2 Hrs)****Abnormal Urine, Proteinuria, oedema Bi-11.4, 11.20 (02 Hrs)****ELISA – Bi-11.16, ( 2 Hrs)****Immunodiffusion- Bi-11.16 (1 Hr)****Autoanalyser- Bi-11.16 (2 Hrs)****Quality Control Bi-11.16 (2 Hrs)****Rationale of biochemical tests in following conditions.****Diabetes Mellitus, Dyslipidemia, Myocardial Infarction, Renal failure, Nephrotic syndrome, Proteinuria, oedema, Gout, Jaundice, Liver diseases, Pancreatitis, Disorders of Acid Base Balance – Bi- 11.17 ( 34 Hrs)** |  |
|  |  |  |  |
| **Total hrs** | **25** | **97** | **32d Base Balance – Bi- 11.17 ( 2ication process & types of Communication 1.9 (1hr))45**  |  |
| **Practical** | **Dissection –Superior Extremity (AN11 to 13)** | **---** | **Abnormal Urine Bi-11.4,11.20 (02 Hrs)****Revision (10hrs)** |  |
| **Total hrs** | **75** | **---** | **12** |  |
| **Early Clinical Exposure &** | **Applied anatomy of head****Applied anatomy of face****Cleft lip and palate 3 hrs** **Hemiplegia****Cataract****Chronic otitis media 3 hrs** **Maxillary carcinoma****Applied anatomy of pharynx and larynx-****Thyroid applied anatomy****Palatine tonsil applied anatomy****Tongue carcinoma 4 hrs** | **Thyroid case/ diabetes mellitus case (OPD)/ 3 hrs****Pregnancy/ parturition videos 3 hrs****Parkinson’s case, hemiplegia case 3 hrs**  | **Visit to Nutrition Rehabilitation centre BI 18.1-5 (3 hrs)****Visit to Endocrine OPD BI 6.13-15 (3 hrs)****Visit to MICU & IRCU (3hrs)** |  |
|  |
| **Total**  | **10** | **9** | **9** |  |
| **Self-Directed Learning** | **10** | **10** | **6** |  |
| **AETCOM :** | **6** | **---** | **3** |  |
| **Total no. Of lectures and practicals,ECE ,SDL** | **Lectures- 220 hrs, SGT- 400, ECE- 30 hrs, SDL- 40 hrs** | **Lectures-158 hrs, SGT- 278,ECE- 30 hrs, SDL- 25 hrs** | **Lectures-87 hrs, SGT – 129, ECE- 30 hrs, SDL- 20 hrs** |  |
| **AETCOM :****Total - 34 hrs** | **Module 1.1: What does it mean to be a doctor? 8hrs****Module 1.5 : Cadaver as our 1st teacher 4 hrs** | **Module 1.2 : What does it mean to be a patient? 8 hrs****Module 1.3 : Doctor patient relationship 7 hrs** | **Module 1.4 : Foundations of communication 7 hrs** |  |
|  |  |  |  |  |
| **Formative Assessment -1:** |  |  |  |
| Theory – 1stJune to 5th June 2021 |  |  |  |
| Practical – 7thto 11th June 2021 |  |  |  |
|  |  |  |  |  |
| **Formative Assessment -2:** |  |  |  |
| Theory –17th August to23rd August 2021 |  |  |  |
| Practical – 24th August to 28th August 2021 |  |  |  |
|  |  |  |  |  |
| **Preliminary Examination:** |  |  |  |
| Theory - 15th November to 23 rd November 2021 |  |  |  |
| Practical – 24th to 30th November 2021 |  |  |  |
|  |  |  |  |  |
| 1st December 2021 – Internal Assessment should be ready

|  |
| --- |
| **Summer Vacation:** 16 th May 2021 to 31st May 2021 |
| (Vacations – subject to MUHS Academic Calendar ) |

 |  |  |  |
|  |  |  |  |  |