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| **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 – 10  Biochem - 3 | | Biochem – 6  Anatomy – 3 | Physiology – 10 |  | | |
| **Integration (hrs)** | Patho – 1  FMT – 2  Anaesthesia – 2  Gen. Med. -2  OBGY – 3  G.Surg – 7  Ortho – 9  P.T . – 1 | | Pathology – 26  Anaesthesia – 2  Pharmacology – 1  Gen. medicine – 9  Respiratory med. – 3 | Gen. med. – 19  Patho – 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)-PY2.12,2.13  nerve- muscle –(Demo)-PY3.18(6) hrs  Hematology (DOAP)-PY2.11  Clinical examination (DOAP)-PY4.10,11.13,5.12  Muscle (DOAP)-PY3.14  BLS (DOAP)-PY11.14  CVS-(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 Hrs  Electrolyte 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)-PY3.17  Muscle (SGT)-PY3.12  Revision(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 3hrs  Varicose veins 3 hrs  Appendicitis & Cholecystectomy 4 hrs | | **ECE** (Early clinical exposure)-3 hrs  Visit to blood bank  **ECE** (Early clinical exposure) - 6 hrs  Anemia  jaundice  **ECE** (Early clinical exposure)-3hrs  Pulmonary 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** |  | | |
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| **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 ) | | | |  |  |  | | |
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