

## **Syllabus of Human anatomy. First year students**

**40 lectures and 90 practical**

<b><u>Topics</u></b>	<b><u>Lectural</u></b>
<b><u>Hours</u></b>	

### **INTRODUCTION**

**1. Importance of anatomy ,**

**definition of anatomy**

**1hr**

**Anatomical position ,sub group of anatomy**

**2. Terminology,**

**terms of position ,terms of movement,planes.**

**1hr**

**3 . Body cavities &regions**

**Dorsal cranial cavity ,thoracic cavity**

**Abdominal and pelvic cavity.**

**1hr**

**4 .Fascia &skin appendages**

**Fascia ,deep fascia ,function of fascia .**

**Skin ,epidermis ,dermis skin appendages, nail ,hair**

**follicles ,sebaceous gland**

**and sweat gland**

**1hr**

**5. Muscles ,tendons & ligaments 1hr**

**Types ,function .**

**6. Joints ,bones and cartilages 1hr**

**Joint definition ,classification ,synovial ,fibrous & cartilagineous ,features of synovial joint .**

**Bones ;definition ,structures ,types .**

**Cartilages ;definition ,structures ,types**

**7. Outline of preservation of human cadavers 1hr**

**(embalming & plastination ) Chemical used ,steps , advantage and disadvantage**

## **UPPER LIMBS**

**8.Pectoral region : 1hr**

**Surface anatomy, superficial fascia Cutaneous nerves &vessels,deep fascia ,types ,pectoral muscles ;origin , insertion , action ,blood &nerve supply .**

**9. Axilla 1hrs**

**Boundaries ,walls of axilla ,contents ;axillary artery , branches of axillary artery ,relation of axillary artery axillary vein ,brachial plexus ;roots ,trunks ,divisions , cords and branches , axillary lymph nodes .**

**10. Muscles attaching scapula to shoulder** **1hr**

**Superficial ,deep extrinsic and intrinsic muscles ;  
origin ,insertion ,action ,blood and nerve supply .**

**11. Shoulder joint** **1hr**

**Glenohumeral joint ,articulation,capsule ,ligament ,  
movement ,relations.Sternoclavicular joint,  
articulation ,capsule ,ligament movement .  
Anastomosis around scapula and shoulder**

**12. Arm** **2hrs**

**Anterior fascial compartment ,muscles, origin ,insertion ,  
action ,nerve and blood supply  
Posterior fascial compartment, muscles ,origin ,insertion ,  
action nerve and blood supply**

**13. Cubital fossa (boundaries & contents ).** **1hr**

**Elbow joint, proximal & distal radioulnar joint**

**15. Forearm** **3hrs**

**Osteology ,fascia cutaneous nerve ,venous drainage  
Anterior fascial compartment ;muscles, origin ,insertion**

**action ,blood and nerve supply**

**Posterior fascial compartment ;muscles ,origin ,insertion,  
action ,blood and nerve supply .**

**Lateral fascial compartment; muscles ,origin ,insertion ,  
Action,nerve and blood supply .**

**Peripheral nerves injury.**

**16. The wrist 1hr**

**Flexor retinaculum, flexor synovial sheath ,  
extensor retinaculum ,extensor synovial sheath ,  
anatomical snuff box ,wrist joint.**

**17. The hand 2hrs**

**The palm ,muscles,thenar and hypothenar ,small muscles  
Arteries, Nerves, dorsum of the hand ,  
Joints of the hand ,carpal bones.**

**LOWER LIMBS**

**18.Gluteal region 2hrs**

**Skin ,fascia, muscles ,vessels , nerves.  
lateral rotator of the thigh at hip joint.  
Trochantric anastomosis.  
Hip joint.**

**19. The thigh 3hrs**

**The back of the thigh ,hamstring compartment**

**Skin, muscles ,origin ,insertion ,action ,blood and  
nerve supply ,**

**The front of the thigh ,muscles ;origin ,insertion ,action ,  
blood and nerve supply .**

**Femoral hernia, femoral sheath and femoral triangle .**

**Adductor compartment ;muscles ,origin ,insertion ,action ,  
Blood and nerve supply . Adductor canal .**

**20. Knee joint 1hr**

**Osteology , articulation ,capsule ligament,intra and  
extra capsular ligament , menisci ,synovial membrane ,  
bursa ,nerve supply ,anastomosis around knee joint , movement .**

**Popliteal fossa ; boundaries and content.**

**Tibiofibular joint ;proximal 7 distal ,type ,articulation**

**Capsule ,ligaments ,nerve supply ,movements .**

**21. The leg 3hrs**

**Surface anatomy ,superficial fascia ,cutaneous nerve ,  
superficial vein ,deep fascia .**

**Fascial compartment ;**

**Anterior compartment ;muscles ,origion ,insertion ,  
action ,nerve and blood supply .**

**Posterior compartment :muscles ,origin ,insertion ,  
action ,blood and nerve supply .**

**Lateral compartment ; muscles ,origin ,insertion ,  
action ,blood and nerve supply.**

**Calf pump mechanisms, varicosity of vein of lower limb .**

**Peripheral nerve injury , foot drop .**

**21. The ankle 1hr**

**Rretinaculum;flexor ,extensor and peroneal retinaculum**

**Ankle joint ;Articulation ,relation ,ligaments ,movement .**

**22. The foot 2 hrs**

**Dorsum of the foot ;muscles ,origin ,insertion ,action ,  
blood and nerve supply .**

**Plantar aponeurosis**

**Layers of the sole of the foot ;muscles, arteries , veins and  
nerves.**

**Subtalar joint**

**Joint of the foot ;calcaneocuboid ,cuneonavicular ,  
cuboidonavicular joints .**

**Arches of foot .**

**23. THORAX 8 hrs**

**Surface anatomy , ribs true ,false , floating, typical  
and atypical ribs**

**The mediastinum; superior , inferior and contents**

**Pericardium ; fibrous and serous ,pericardial sinuses**

**Heart chambers, papillary muscles ,valves ,skeleton of**

**the heart, conductive system , coronary arteries ,veins  
of the heart .**

**The lung , parietal and visceral plura ,surfaces**

**Lymphatic.**

**The diaphragm; parts ,openings ,function.**