

**First Professional B.S.M.S Degree Regular/Supplementary Examinations**  
**March 2025**  
**Udalkoorugal (Anatomy) - Paper I**  
**(2021 Scheme)**

Time: 3 hrs

Max. Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
  - Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

**1. Multiple Choice Questions****(20x1=20)**

The Answers to MCQ questions (Q.No. i to Q.No. xx) shall be written continuously on the first two writing sheets (ie Page No. 3 & 4) only

- i. Transitional epithelium mainly found in
 

a) Colon	b) Oesophagus	c) Urinary tract	d) Vagina
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- ii. Spermiogenesis
 

a) Process of transformation of Spermatid to Spermatozoon	b) Process of Spermatogonia becomes primary Spermatocytes	c) Process of Primary Spermatocytes becomes Secondary Spermatocytes	d) Process of transformation of Spermatogonia to Spermatid
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- iii. Following are the Pneumatic bone except
 

a) Maxilla	b) Sphenoid	c) Ethmoid	d) Nasal septum
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- iv. ..... is an important landmark between anterior and posterior triangles of the Neck.
 

a) Trapezius Muscle	b) Sternocleido mastoid Muscle
c) External jugular vein	d) Supra – clavicular fossa
- v. Largest and strongest bone of the Face
 

a) Mandible	b) Maxilla	c) Zygomatic bone	d) Nasal bone
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- vi. Followings are the features of Atlas, except.
 

a) Ring Shaped	b) Short anterior arch
c) Long posterior arch	d) Presence of dens
- vii. Smiling and laughing Muscle
 

a) Frontalis	b) Risorius
c) Zygomaticus major	d) Orbicularis Oris
- viii. Which of the following is not a content of Carotid Sheath
 

a) Inferior thyroid artery	b) Internal carotid artery
c) Internal jugular vein	d) Vagus Nerve
- ix. Supra clavicular lymph nodes are commonly enlarged in.
 

a) Tuberculosis	b) Hodgkin's disease
c) Malignancy of breast	d) All above
- x. Name the artery arising from third part of Axillary artery
 

a) Superior thoracic artery	b) Subscapular artery
c) Thoracoacromial artery	d) Lateral thoracic artery
- xi. Wrist joint is a synovial joint of.....variety
 

a) Hinge	b) Ball and Socket	c) Ellipsoid	d) Pivot
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(PTO)

xii. Commonest site of fracture of rib  
 a) Angle                    b) Shaft                    c) Head                    d) Neck

xiii. Following bone is an ideal spare bone for bone grafting.  
 a) Femur                    b) Tibia                    c) Fibula                    d) Humerus

xiv. Which of the following statement applies to the Patella bone  
 a) Largest sesamoid bone  
 b) Developed in the tendon of quadriceps femoris muscle  
 c) Fusion is completed at puberty  
 d) All above

xv. Name the opening present in the Fascia lata  
 a) Saphenous opening                    b) Adductor canal  
 c) Femoral canal                        d) None of above

xvi. Thickest and strongest tendon of the body  
 a) Latissimus dorsi tendon                    b) Rectus abdominis tendon  
 c) Tendo calcaneus                        d) Biceps tendon

xvii. Chief palpable artery of the dorsum of foot.  
 a) Posterior tibial artery                    b) Dorsalis pedis  
 c) Arcuate artery                            d) Tarsal artery

xviii. Roof of the adductor canal overlapped by  
 a) Adductor longus                            b) Adductor Magnus  
 c) Adductor brevis                            d) Sartorius

xix. Nutrient artery of fibula bone  
 a) Profunda Femoris artery                    b) Posterior tibial artery  
 c) Peroneal artery                            d) Brachial artery

xx. Stability of the shoulder joint is maintained by following factors.  
 a) Coraco acromial arch                            b) Musculotendinous cuff  
 c) Glenoid Labrum                                d) All above

### Short Answer Questions

(8x5=40)

2. Stratified Squamous epithelium
3. Briefly explain about fertilization and site of implantation
4. Write about the features of Patella and its attachment
5. Describe the structure of Calcaneus
6. Give brief notes on Soleus muscles
7. Intrinsic muscles of Hand
8. Carotid Triangle
9. Axillary lymph nodes

### Long Answer Questions

(4x10=40)

10. Give the detailed structure of Radius with its attachments and Applied Anatomy
11. Describe the shoulder joint with its Ligaments, Relations, Supplies and Movements
12. Write about the Muscles of Posterior Compartment of Leg
13. Give details about Course and Relations of Brachial artery with its branches

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