Volume 1

 Abdomen Pelvis

Volume 3

Head

Neck

• Face

Volume 4

Volume 1

Upper Limb

General Anatomy

Second

Volume

Exam-Oriented

Medical Council of India has reduced the duration of First Year MBBS by 6 months and introduced new pattern of questions which include long answer questions, short notes, short answer questions, clinical problems and multiple choice questions. Students are expected to know all the topics as well as specific information and minute, relevant details having

Exam-Oriented Anatomy Questions and Answers

clinical importance. There is no source for the definition and the extent of contents of the various terms used in the theory questions. The author has extensively discussed these terms with eminent anatomists in India and attempted to define these terms. He is aware of the limitations and has high regard about others' views.

This four-volume book attempts to provide unique solutions to

General Embryology

Brain these problems for the benefit of the readers studying human Genetics anatomy and preparing for their examinations.

Salient features of the four volumes

- The book is written using short and simple sentences.
- Four types of questions are discussed: LAQs (Long Answer Questions), SN (Short Notes), SAQs (Short Answer Questions), and OLA (One Line Answers).
- The information given in italics is the information required to answer the MCQs.
- The answers are written in the form of points by using indentation.
- Tables are introduced to save the time and display the information for immediate reference for the students and examiners.
- The relevant, simple, linear informative diagrams are drawn with the respective colours.
- Important key words, which help to memorize the subject without taxing the memory, are given.
- At the end of the book separate indexes have been given.

Shoukat N Kazi MS (Anatomy), DTCD, BSc, LLB

is currently Principal, Dr Tasgaonkar Medical College and Research Centre, Karjat, and has been Principal, Prasad Institute of Medical Sciences, Lucknow, UP. He has served as Professor of Anatomy at Rajshree Medical Research Institute, Bareilley; SRM Medical College Hospital and Research Centre, Chennai; Chennai Medical College Hospital and Research Centre, Trichy; Dr DY Patil Medical College, Pimpri; and Dr DY Patil Vidyapeeth (Deemed to be University), Pimpri, Pune. He is conducting Webinars for regular, examination going and FMGE

Dr Kazi is one of the popular and enthusiastic teachers of anatomy. He started his teaching profession from 1986 and dedicated completely from 1996. He has coached thousands of students.

He makes the subject very simple and appealing to the students. His efforts are to make the subject memorable. He constantly updates himself academically, spiritually and socially. He has special interest in implementing new methods of learning. His mission is to reach all the medical students and make them anatomyphilic. He is a strong positive thinker and motivator.

Students from all over world attend his Kazi Medical Classes, Pimpri, for studies. It is equipped with histology slides, bone sets, models of all topics of gross anatomy and embryology.

He was called a guest speaker in 46 colleges in Maharashtra, Karnataka, Uttar Pradesh, Gujarat, Kerala and Tamil Nadu; about 8000 students who took the benefit of his guest lectures. He has conducted over 13 workshops of one to five days interactive sessions on various anatomic regions, benefitting about 2000



CBS Publishers & Distributors Pvt Ltd

4819/XI, Prahlad Street, 24 Ansari Road, Daryaganj, New Delhi 110 002, India New Delhi | Bengaluru | Chennai | Kochi | Kolkata | Mumbai Bhopal | Hyderabad | Jharkhand | Nagpur | Patna | Pune | Uttarakhand



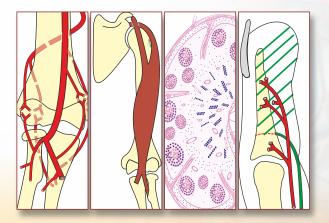


Volume 1

Exam-Oriented Anatomy

Questions and Answers

Second Edition



General Anatomy

General Histology

Lower Limb

Upper Limb



Available free on CBSiCentral App High-value animation videos of human anatomy

Shoukat N Kazi



Questions of Answers

and

Second **Edition**

Kazi



Volume 1

Exam-Oriented

Anatomy

Questions and Answers

Second Edition

- □ General Anatomy
- □ Lower Limb

- □ General Histology
- □ Upper Limb

Shoukat N Kazi MS (Anatomy), DTCD, BSc, LLB

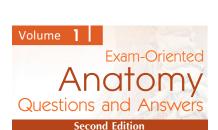
Principal, Dr Tasgaonkar Medical College and Research Centre, Karjat, Maharashtra Ex-Principal, Prasad Institute of Medical Sciences Banthara, Lucknow (UP) Ex-Professor

Rajshree Medical Research Institute, Bareilly
SRM Medical College Hospital and Research Centre, Potheri, Chennai
Chennai Medical College Hospital and Research Centre, Trichy
Dr DY Patil Medical College, Pimpri, Maharashtra
Dr DY Patil Vidyapeeth (Deemed to be University), Pimpri, Pune



CBS Publishers & Distributors Pvt Ltd

New Delhi • Bengaluru • Chennai • Kochi • Kolkata • Mumbai Hyderabad • Jharkhand • Nagpur • Patna • Pune • Uttarakhand



Disclaimer

Science and technology are constantly changing fields. New information, research and experience broaden the scope of knowledge. The author has tried his best in giving information available to him while preparing the material for this book. Although all efforts have been made to ensure optimum accuracy of the material, yet it is quite possible some errors might have been left uncorrected. The author, the publisher and the printer will not be held responsible for any inadvertent errors or inaccuracies.

ISBN: 978-93-90046-14-0

Copyright © Author and Publisher

Second Edition: 2021 First Edition: 2005

All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or any information storage and retrieval system without permission, in writing, from the author and the publisher.

Published by Satish Kumar Jain and produced by Varun Jain for

CBS Publishers & Distributors Pvt Ltd

4819/XI Prahlad Street, 24 Ansari Road, Daryaganj, New Delhi 110 002, India.

Ph: 011-23289259, 23266861, 23266867 Fax: 011-23243014 Website: www.cbspd.com

e-mail: delhi@cbspd.com; cbspubs@airtelmail.in

Corporate Office: 204 FIE, Industrial Area, Patparganj, Delhi 110 092

Ph: 011-4934 4934 Fax: 011-4934 4935 e-mail: publishing@cbspd.com;publicity@cbspd.com

Branches

• Bengaluru: Seema House 2975, 17th Cross, K.R. Road, Banasankari 2nd Stage, Bengaluru 560 070, Karnataka

Ph: +91-80-26771678/79 Fax: +91-80-26771680 e-mail: bangalore@cbspd.com

• Chennai: 7, Subbaraya Street, Shenoy Nagar, Chennai 600 030, Tamil Nadu

Ph: +91-44-26260666, 26208620 Fax: +91-44-42032115 e-mail: chennai@cbspd.com

• Kochi: 42/1325, 1326, Power House Road, Opp. KSEB, Power House, Ernakulam 682018, Kochi, Kerala

Ph: +91-484-4059061-65 Fax: +91-484-4059065 e-mail: kochi@cbspd.com

• Kolkata: No. 6/B, Ground Floor, Rameswar Shaw Road, Kolkata 700014 (West Bengal), India

Ph: +91-33-2289-1126, 2289-1127, 2289-1128 e-mail: kolkata@cbspd.com

• Mumbai: 83-C, Dr E Moses Road, Worli, Mumbai 400018, Maharashtra

Ph: +91-22-24902340/41 Fax: +91-22-24902342 e-mail: mumbai@cbspd.com

Representatives

Hyderabad
 0-9885175004
 Jharkhand
 0-9811541605
 Nagpur
 0-9421945513
 Pana
 0-9334159340
 Pune
 0-9623451994
 Uffarakhand
 0-9716462459

Printed at Nutech Print Services, Faridabad, India

To

My parents

Late Haji Nizamsaheb K Kazi Late Hajjan Mrs Jainnabbi N Kazi

My wife Kamartaj
For tolerating my preoccupation

And my daughter Sadiya For understanding me

And

Students

For appreciating my way of teaching and providing me a continuous stimulus to write the book

Foreword to the Second Edition

Prof SN Kazi's *Exam-Oriented Anatomy*, 2nd edition, is going to compete with all other books on the subject available in the market. It is not only simple, digestible and very attractive but also exceptionally informative and rich into the extent that even heavy textbooks do not carry so much information. I have great respect for him, for his dedication and lust for writing book. I wish him all the best.



Dr Nafis Ahmad Faruqi

Professor Department of Anatomy Jawaharlal Nehru Medical College Aligarh Muslim University, Aligarh, Up

Foreword to the First Edition

Prof SN Kazi's book is intended to help medical students rapidly master complex intricacies of human anatomy that is essential to clinical care.

This book was written to fulfill the need for a brief, but readable, summary of the relevant anatomy, with succinct notes on applied anatomy wherever indicated. It addresses the diverse and mounting need of medical students preparing for professional examinations. The text will not only enhance the knowledge to an extent sufficient to satisfy the examiners but will also equip the readers with the necessary understanding of applied anatomy for future practice. A recurring problem in medical education is the common inability of the students to relate the large body of factual knowledge to practical application in their future clinical training. A commendable endeavour has been made by Prof Kazi to bridge the gap between rote anatomy and clinical relevance. The mnemonics and humour in this book do not intend any disrespect for anyone, rather they are employed as an educational device, as it is well known that the best memory techniques involve the use of ridiculous association. Stephen Goldberg in his unique book titled "Clinical Neuroanatomy Made Ridiculous Simple" has already demonstrated their efficacy superbly.

Books	LAQs	SAQs	SNs	Keywords	Line diagrams	Tables
Above diaphragm	93	20	156	91	254	47
Below diaphragm	47	38	125	49	254	47

This book is not designed to replace standard reference textbooks, but rather is to be read as a companion text before appearing in an examination. This will enable the student to gain an overall perspective of essential anatomy.

My best wishes for the success of this endeavour which merits appreciation.

Prof (Dr) Mahdi Hasan

MBBS, MS (Hons.), FICS, FAMS, PhD,DSc, FNA
Professor Emeritus
INSA Senior Scientist, Department of Anatomy
Chhatrapati Shahuji Maharaj Medical
University (King George's Medical University)
Lucknow, UP (India)

Formerly

Professor and Chairman, Department of Anatomy and

Founder Director

Interdisciplinary Brain Research Center

Dean, Principal and Chief Medical Superintendent Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh, UP (India)

Foreword to the First Edition

All the medical colleges in the state of Maharashtra were affiliated to eight different conventional universities in the state up to 1997. After the establishment of Maharashtra University of Health Sciences in the state in 1998, all of them were affiliated to this single state level university. Previously syllabi and pattern of examination were different but the new pattern $(1 + 1\frac{1}{2} + 2 \text{ years})$ of curriculum recommended by the Medical



Council of India while the conventional universities were following the old ($1\frac{1}{2} + 1\frac{1}{2}$) years) pattern. First time in the examination, LAQ, SAQ and MCQ patterns were introduced by MUHS. On the background of the reduced duration for both students (for learning) and teachers (for teaching) of I MBBS, there was a need for examination-oriented revision book.

It is really a great pleasure for me to introduce this book on human anatomy written by one of my ex-colleagues, Dr SN Kazi. I have gone through the manuscript of this book which adequately covers the subject. Usually students have to purchase separate books for anatomy, histology, embryology, general anatomy, genetics, etc. Dr. Kazi has tried to cover all these branches in simple language with the help of computerized line diagrams. It is designed to meet the need of the undergraduate exam going students. Most of the information are given in tabular forms, easy to compare and remember and clinical applications of the subject have been touched adequately.

The book speaks the long experience of the author in the subject and will minimize the stress and strain of a medical student during pre-examination period. I congratulate the author for this venture and wish the book great success.

Shingare PH

Professor and Head, MS
Department of Anatomy
Grant Medical College and
Sir J J Group of Hospitals
Byculla, Mumbai
Director of Medical Education and Research,
Maharashtra
Ex-Dean, Faculty of Medicine, North Maharashtra University
Ex-Controller of Exam, MUHS, Nashik
Ex-Chairman, BoS Preclinical, MUHS, Nashik
Member of BoS Preclinical Faculty of
Medicine and Faculty of Dentistry, MUHS
Ex-Vice Dean UG, Grant Medical College, Mumbai
Ex-Vice Dean PG, Grant Medical College, Mumbai

Preface to the Second Edition

I am very much excited to present the 2nd edition. Initially I thought it will not take much time, but as I started preparing for the 2nd edition, new ideas start clouding in my mind and the ideas went on increasing.

In the last 15 years, I received many feedbacks about inadequate answers, too much simplicity of the text, too many mnemonics. I reviewed various books on memory techniques and came with various ideas. I am happy to share the experiences of teaching in different parts of country. In north and central part of India, the main barrier is writing skills. The students are either from Hindi medium or language of regional medium. The immediate challenges after joining medical course is communication and managing vast syllabus.

I have made an attempt to write in very simple language. In the first reading only, the student should be able to understand the contents. I have used the symbols for most of the words. It is rightly said "A picture is equal to thousands of sentences. A cartoon is worth of thousands of pictures". Visual memory works better for the pictures than the texts. Colours have deep impact than black and white. Kinesthetics have far more effect as compared to auditory and visual. Combined effects of auditory, visual and kinesthetic have profound effect on memory.

A sincere attempt is made not only to give the contents of the subject, but also to make the student remember the subject by using various techniques. The author has attended the lectures of the many anatomists, studied the delivery of lectures. He has picked up the concepts and presented in the form of book. The book is collections of techniques used by well-known anatomists of India.

Memory Technique

- 1. Association memory
 - A. Day-to-day examples: City bus for ascending and descending tracts.
 - B. Association of letters
 - a. After "C" to recollect the nuclei of cerebellum.
 - b. ABCD for the normal constrictions of oesophagus
 - c. Ruffini for red and Krause for cold receptor. This was contributed by Dr Nandedkar madam, a senior anatomist from AFMC.
 - C. Association of digit 10 for 4 important information of oesophagus.
 - a. Length of oesophagus
 - b. Constrictions of oesophagus
 - c. Opening in diaphragm at 10th thoracic vertebra
 - d. First mark on the paediatric Ryles tube.
- 2. Use of one's hand for representation of various structures and relations
 - A. Branches of splenic artery
 - B. Intermuscular spaces
 - C. Use of 3 fingers for transpyloric plane at lower 1st lumbar
 - D. Branches of basilar artery
 - E. Tributaries of coronary sinus
- 3. Framing the rules for registration of information
 - A. Rule of alternate framed by honorable late Padmashree Dr Mahdi Hasan to
 - a. Recollect the

- I. Paired and unpaired branches of abdominal aorta
- II. Peritoneal and retroperitoneal structures.
- b. Dropping the alternate letters to recollect the names of extrapyramidal tracts.
- B. Use of jiggle "Carotico parotico Tonsilii Tympani" to complete the distribution of glossopharyngeal nerve. This is contributed by famous anatomist and surgeon Dr Kadasne, author of many textbooks.
- C. Use of fingers to differentiate to walls of artery and vein. This is contributed by Dr Krishna Garg madam, editor of world famous textbook *BD Chaurasia's Human Anatomy*.
- 4. Link technique
- 5. Meaning of words
 - A. Dura—hard, durable B. Dia—in between
- 6. Peg technique Mnemonic—Laila Loves Majnu for the branches of lateral cord of brachial plexus.
- 7. Simile: Course of hepatic artery represented by badly driven nail. Referred from Surgical Synopsis.
- 8. Picture mnemonic to represent Cri du chat syndrome.
- 9. Stories
 - A. A girl from South and boy from Chandigarh had friendship in Jaipur. They got married in Jaipur but marriage could not survive because of different culture and food habit. They got divorced. Boy went back to Chandigarh and got married in own community. This story is appealing for origin, course and distribution of accessory nerve. The story was fabricated by Dr Aruna Mukherjee, a well-known anatomist.
 - B. A story of water pipe for the course of internal pudendal artery.
- 10. Text in simple English.
- 11. Things added with religious sentiments: Dr Mysorekaraneminent, Professor of AFMC, used to teach functions of thalamus by giving simile of thalamus to God Nandi and cerebrum with Lord Mahadev.
- 12. The concept of mind mapping, introduced by Tony Buzan, is used to depict the branches of brachial plexus.
- 13. Use of celebrities
 - A. Mary Kom—action of serratus anterior
 - B. Ajay Devgn for overriding of horse to make understand the features of Fallot's tetralogy.
- 14. Use of key advertisements as the keywords—PRO V for features of Fallot's tetralogy.
- 15. Use of airplane and navies for reminding suprascapular artery and nerve, above and below the suprascapular ligament.
- 16. Use of pictures of anatomy students whose passion is body building. A photo of Wasim Khan is used to display the actions of sternal and clavicular head of pectoralis major.
- 17. Fruit of pine tree to show pineal body.
- 18. Use of symbols and pictures of muscles to boost the memory.

It was a feedback from the passed-out students that there is mismatch between what is taught in applied anatomy in the first year and what is expected in clinical posting. To fill up the gap, the author has reviewed the applied anatomy from physician, general surgeon, ENT surgeon, ophthalmologist, orthopaedic surgeon, and geneticist. The author has reviewed various regions from senior anatomists.

All the feedback has been meticulously rectified.

Separate boxes are introduced for the understanding of the subject and for memorization.

Acknowledgements to the Second Edition

I recollect the days, when I determined to write for the second edition. I thought of getting all the books of anatomy that are freely available and accessible. I collected books from all the old book bazar in Delhi, Mumbai, Pune, Pimpri, Lucknow, Ahmedabad, Rajkot. I am very much thankful to Dr TC Singel, Professor, Department of Anatomy, Zydus Medical College, who took me to various old bookstores in Ahmedabad and made them available. He also lent me the library books. It was a great help. I could get the books which are not available in any of the college library. I am very much grateful to him.

I cannot afford to forget the continuous encouragement given by Mr Bhagwan Yadav, Chairman, Managing Director, Prasad Institute of Medical Sciences, Lucknow.

Scanning of the book was done by our office staff, namely Prajakta, Rhutuja. I am thankful to them. I need to mention the name of Mr Rehan Ansari, (HR, Prasad Institute of Medical Sciences, Lucknow) who got the books scanned in a very short time.

There were vital technical issues, because of which I was handicapped. The problems were resolved by my nephew, Mr Wahab Kabir Kazi. I am very much thankful to him.

The basic suggestions of diagrams were made by a corel artist Mr Sanjay, CBS Publishers & Distributors. I am thankful to him.

I am really lucky to have the contributions from many professors.

To start with, Mrs Jasmine Naik drew some of the diagrams in corel draw but because of her child's health she could not continue. The work was continued by Mrs Zeenat Shaikh. She really put her heart in diagrams. She learnt all the intricacies of anatomy subject and gave her 100% to make the diagrams right. She is very much concerned for the success of the book.

The repeated editing of the text and layout of diagrams, sequencing of questions, was done untiringly by Miss Parveen Shaikh and Mrs Jyoti Dhage. In addition to editing, Miss Parveen Shaikh has kept an eye on all the activities and coordinated in a very efficient way. They are the backbones of the book, without their help, the quality of the book was not possible. I am really blessed to have the staff, namely Miss Parveen Shaikh, Mrs. Jyoti Dhage and Mrs Zeenat Shaikh. Mrs Maya Bhujbal, and Mr Uday Jadiye, who have helped in minute layout of the book.

I am indebted for the help my brother Mr Kabir Kazi has extended to me. He has helped me in organizing guest lectures, workshops and made me tension free to write the book. It was a continuous support to me.

The continuous inspiration and motivation was given by my brothers Mr Shikandar, Allabaksh and Najir Kazi.

The technical support was given by Mr YN Arjuna Senior Vice-President—Publishing, Editorial and Publicity, and his team. He has understood me and helped without any hesitation.

The real financial help was extended by Mr Satish Kumar Jain, CMD, CBS Publishers & Distributors. His help was stress bursting to me. The quality of the book has reached only because of his timely help, and the patience he has shown to me. We have very good bonding for so many years.

I am really thankful from the bottom of my heart to Mr Varun Jain, Director, who is dynamic in implementing various technology in the books. The animation of neuroanatomy and upper limb and abdomen is being introduced, only because of his initiation. I owe him a lot.

The real tolerance and patience were given by my better half Mrs Kamartaj and my daughter Miss Sadiya. I did not give any time and attention to family activities. I appreciate their understanding.

Special Thanks

I am extending my sincere and special thanks to the following persons, without whom the book would not have been completed.

- **Dr PH Shingare,** Professor and Head, Department of Anatomy, Grant Medical College, Mumbai, has meticulously corrected the text and has given solutions to diagrams. He has tolerated my disturbance at odd hours in his busy schedule.
- **Dr (Mrs) Kanaklata Iyer,** Professor of Anatomy at Somaiya Medical College, Sion, Mumbai, has really given a breakthrough to the problems of diagrams. She has helped out rightly by sparing her valuable time through her busy schedule by taking keen interest. She has contributed diagrams of gross anatomy of abdomen, inferior extremity and general embryology.
- **Dr Savgaonkar,** Professor of Anatomy at BJ Medical College, Pune, has drawn histology diagrams of abdomen section. He being my close friend, understood the difficulties and offered his help by completing the diagrams in very short time.
- **Dr Anjali Dhamangaonkar**, Associate Professor, in Anatomy at GS Medical College, Mumbai, has contributed to the general embryology diagrams. It was very difficult for her to give some time. But her desire to help me has solved the problems.
- **Dr Manvikar Purushottam Rao**, Lecturer in Anatomy at Dr DY Patil Medical College, Pimpri, has drawn some of the diagrams of general histology. He is the main push for animation work.
- **Dr Kadasne DK,** the author of *Kadasne's Textbook of Anatomy (Clinically-oriented),* has allowed me to use some of the diagrams from his book.
- **Dr Umarji**, Professor and Head, Department of Anatomy, Krishna Institute of Medical Sciences, Karad, has drawn a few diagrams of general anatomy.

Shoukat N Kazi

ontributors



Arudyuti Chowdhury MS, DGO

Associate Professor, SRM Medical College, He was my roommate at SRM Medical College, Chennai. Dr Arudyuti Chowdhury is constant motivators. He has helped me in all the activities. His word of suggestion is important for me.



Ashok Kumar Rawat MS (Ortho)

Assistant Professor, Department of Orthopedics, Associate Professor, Prasad Institute of Medical Sciences, Lucknow.

He has helped in giving fine touch of applied aspects of joint.



Gangane

Professor and Head, Department of Anatomy, Medical College, Navi Mumbai. Thank you very much for finding time for approving the contents.

Jyoti Kulkarni

Professor in Anatomy in Nepal

She has gone meticulously in all the texts and diagrams of books and given valuable suggestions. The quality of the book is definitely improved because of her suggestions. I am very much obliged and thankful for her help.



Manvikar

Professor and Head, Department of Anatomy, Padmashree, Dr DY Patil Medical College, Pimpri, Pune. Thanks very much for giving genetic inputs.

MC Srivastav

Medical Superintendent and Associate Professor of Medicine, Prasad Institute of Medical Sciences, Lucknow. He is kind enough to add EKG changes in blockage of coronary arteries.

Murugan Kutty Gopalan

BSc, MBBS, DMA (USA)



Head, Departments of Medical Illustrations, Digital Health, Clinical Skills Simulation Center and Telemedicine, Amrita Institute of Medical Sciences and Research Center, Kerala, India. He is involved in the Simulation-Based Medical Education in giving training in various clinical skills. He is

intensely working on introducing new generation Medical Haptics, Robotic Surgery, Cardiac-Neuro-Ortho interventional **Simulaids** for the super-specialty branches in Medicine and Surgery. He has won several regional, national and international awards for his innovative illustrative works.

All histology diagrams of 2nd edition are fabricated by Dr Gopalan. Apart from contributions to the book, he is my very close friend, whose door I can knock for any help any moment. I am heavenly blessed to have a friend like Dr Gopalan.

He is courageously fighting his health issue like a warrior. I know him since last 15 years. He is very much energetic. The energy and enthusiasm have increased many folds after he met his health issue. I think adverse situations boost his energy. I do not know from where he gets energy to do such activities. I pray God to give him long healthy life.



Nayana Karodpati

Professor (ENT, DYPMC), Pimpri, Pune She edited the text and added the topics which are of clinical importance. Hearty thanks for the help.



P Vatsalaswamy MD

Director of DYPMC, Pimpri, Pune In spite of her busy administrative activities and family commitments, she could spare time and could help me. I am very much obliged.

She has reviewed superior extremity. She has gone in details of each word of text and given the feedback.



Salamat Khan

Professor of Surgery, Prasad Institute of Medical Sciences, Lucknow. Dr Salamat Khan has voluntarily helped me in reviewing applied anatomy of limbs, abdomen, head, neck, face, thorax, and brain. He has gone word to word and

gave the suggestions. I salute him for his help.



Sunita Nayak

Assistant Professor All India Institute of Medical Sciences, Patna



Ubaidur Rehman

Medical Superintendent, Prasad Institute of Medical Sciences, Lucknow. He has helped in updating ophthalmology chapters. I was lucky to be associate with him.



Vaishali Bharambe MD, PhD

Ex-professor, DY Patil Medical College, Pimpri,

Presently she is working as a Professor and Head, Symbiosis Medical College, Pune. She was very much busy in preparation of PhD. In spite of her hectic schedule,

she could review the diagrams of lower limb. I owe her.



Vinod Kathju

Former additional Principal, Dr SN Medical College, Jodhpur

I am very much thankful for his kind guidance and contribution

Upper Limb: Animation

Sr. No.	Duration	Торіс
BP1	4.25	Introduction to nerve plexus
BP2	1.23	Objectives of the video
BP3	2.23	Formation of brachial plexus
BP4	1.23	Fixation of brachial plexus
BP5	0.50	Anatomy of brachial plexus
BP6	1.41	Nomenclature of brachial plexus
BP7	1.13	Branches of brachial plexus
BP8	2.05	Branches from cords and details of nerve
BP9	1.10	Details of each nerve
BP10	3.41	Nerve to serratus anterior
BP11	1.35	Applied anatomy of nerve to serratus anterior
BP12	2.58	Suprascapular nerve
BP13	1.37	Nerve to subclavius
BP14	1.19	Branches of lateral cord
BP15	7.02	Musculocutaneous nerve

These high-value animation videos are available on **CBSiCentral App** through scratch code. Please see the front inner cover for obtaining access code.

Contents

Forev Forev	vord to	the Second Edition by Dr Nafis Ahm the First Edition by Prof (Dr) Mahd the First Edition by Shingare PH e Second Edition				7	iv v vi vii
		Section 1	Gen	eral	Anato	оту	
1.	Skelet SN-1 SAQ-1 SN-2 SN-3 SN-4	Long bone 3 Short bones 5 Pneumatic bone 7 Sesamoid bone 7 Periosteum 9	3	3.	SN-12 SN-13 SN-14 SN-15 SN-16	Primary cartilaginous joint (synchondrosis) Secondary cartilaginous joint (symphysis) 2 Typical synovial joint 24 Classification of synovial joint 25 Pivot joint 27	
	SN-5 SN-6 SAQ-2 SN-7 SAQ-3 SAQ-4 SAQ-5	Epiphysis 11 Diaphysis 13 Metaphysis 13 Blood supply of the long bone 14 Growing end 17 Primary centre of ossification 18 Secondary centre of ossification 18			OLA-1 SAQ-6 SN-17 SN-18 SN-19 SN-20	What is a sarcomere? 28 Pinnate muscles 28 Prime movers (agonists) 30 Antagonist 30 Fixators 31 Synergist 31	32
2.	Joints SN-8 SN-9 SN-10 SN-11	Classification of joints 19 Fibrous joints 20 Suture 21 Syndesmoses 22	19	4.	OLA-2 SN-21 SN-22 SN-23	ovascular System Enumerate 4 arteries commonly used for palpa peripheral pulsations 32 Anastomosis 32 End arteries 33 Bursa 34	
		Section 2	Gen	eral	Histo	logy	
5.	Epithe	elium	37	7.	Cartil	age	52
	SAQ-1 SN-1 SN-2 SN-3	Simple squamous epithelium 37 Simple columnar epithelium 38 Pseudostratified epithelium 39 Stratified squamous epithelium 39			SN-9 SN-10 SN-11 SN-12	Draw and write a note on articular cartilage Draw and write a note on hyaline cartilage Draw and write a note on fibrocartilage 55 Draw and write a note on elastic cartilage	54
	SN-4	Stratified squamous epithelium 39 Transitional epithelium (urothelium) 40		8.	Bone		59
	OLA-1 OLA-2 OLA-3 OLA-4	What is brown fat? 41 Draw and label a section of a cilium 41 Classify compound epithelium with examples What are the differences between micro cilia and stereocilia? Explain with the he	villi,		OLA-6 OLA-7 OLA-8	What are Howship's lacunae? 59 What is osteon? Or Haversian system? 59 State the different types of lamellae in bone 59 What is Volkmann's canal? 60 State the cells of bone. Describe each briefly.	
	SN-5	diagrams 42 Junctional complexes 43	р о.			What is osteoclast? 61 Compact bone 61	00
6		ective Tissue	45	9.	Musc	•	64
0.	SN-6 SN-7	Write a note on dense regular connectissue 45 Write a note on adipose tissue 46	ctive		OLA-13	 Classify muscles with examples 64 Describe transverse section (TS) of skel muscle 64 Describe longitudinal section (LS) of skel muscle 65 	
	SN-8 OLA-5	What are the different types of cells connective tissue? What are their identification points and functions? 47 Describe plasma cell 51				What is intercalated disc? What are its functions? 65 Difference between smooth, cardiac and skel muscles 66	etal

xiv

	OLA-17 SN-14	Cardiac muscle 66	11.	Lymp	hoid Tissue 74
40				OLA-18	Draw and describe any of the following: Spleen,
10.	SN-15	Vessels Draw and describe muscular artery 69 Draw and describe elastic artery 70 Draw and describe vein 71		SAQ-2	lymph node, tonsil, thymus 74 Loose areolar tissue 75
		Section 3	Lowe	r Limb	
	OLA-1 OLA-2 SN-1 SAQ-1 SN-2 SN-3 SAQ-2 SN-3 SAQ-4 Front OLA-3 OLA-4 OLA-5 OLA-6 OLA-7 SN-4 SN-5 SN-6 SN-7 SAQ-5 LAQ-1 OLA-8 SN-9 LAQ-2 OLA-10 SAQ-7 LAQ-3 OLA-11 OLA-12	Attachments to intertrochanteric line 79 Enumerate the structures attached to pubic tubercle 79 Greater sciatic notch 79 Organs related to hip bone 81 Linea aspera 81 Adductor tubercle 83 Iliac crest 83 Structures attached to spines of hip bone 85 Trochanteric anastomosis 85 of Thigh 87 Name the muscles forming boundaries of femoral triangle 87 Name the muscles forming the floor of femoral triangle 87 Name the structures forming the boundaries of femoral ring 87 Name the structures forming the boundaries of femoral ring 87 Name the cutaneous nerves seen in roof of femoral triangle 87 Name the muscles of anterior compartment of thigh 88 Superficial inguinal lymph nodes 88 Fascia lata 90 Iliotibial tract 91 Saphenous opening 91 Name the branches of femoral artery in femoral triangle 93 Describe femoral triangle (triangle of Scarpa) 94 Name the fascia forming the femoral sheath 101 Femoral canal 104 Describe femoral artery 107 What is the root value of femoral nerve? 111 What is the root value of obturator nerve? 111 Name the branches of femoral nerve 111 Describe femoral nerve 112 Name the nerves forming the subsartorial plexus 116 Describe adductor canal OR Subsartorial canal	16.	OLA-19 OLA-20 SAQ-8 SAQ-9 e nerves to OLA-21 SN-11 LAQ-6 SN-12 SAQ-10 Poplit SAQ-11 SAQ-12 SAQ-13 LAQ-7 SAQ-14 OLA-22 LAQ-8 OLA-23 OLA-24 OLA-25 LAQ-9 OLA-26 OLA-27 SN-13 SN-14 SN-15 Back SAQ-15	Enumerate the actions of gluteus maximus 126 Enumerate the bones under cover of gluteus maximus 126 Enumerate the bones under cover of gluteus maximus 126 Enumerate the muscles under cover of gluteus maximus 126 Enumer under cover of gluteus maximus 127 Enumerate the vessels under cover of gluteus maximus 127 Gluteus maximus 127 Describe the structures under cover of gluteus maximus 130 Gluteus medius 131 Cruciate anastomosis 133 eal Fossa 135 Enumerate the muscles forming the boundaries of popliteal fossa 135 Enumerate the structures forming the floor of popliteal fossa 136 Describe popliteal fossa 136 Enumerate the branches of popliteal artery 141 Name the terminal branches of popliteal artery 142 Describe popliteal artery 142 Root value of tibial nerve 146 Enumerate the branches of tibial nerve 126 Enumerate the branches of tibial nerve in popliteal fossa 146 Describe the tibial nerve 146 Root value of common peroneal nerve in the fossa 149 Common peroneal nerve 150 Foot drop 151 Popliteus 151 of Thigh Name the branches of profunda femoris artery 154 Enumerate the hamstring muscles 155
14.	OLA-13	OR Hunter's canal 117 I Side of Thigh 120 Enumerate the muscles of adductor compartment 120		OLA-29 LAQ-10	Hamstring muscles 155 What is the root value of sciatic nerve? 156 Describe the sciatic nerve 156 Name the muscles of posterior compartment of thigh 160
15.	LAQ-5 Glutea SN-10 OLA-15 OLA-16	Enumerate the muscles supplied by obturator nerve 120 Describe obturator nerve 120 Il Region 124 Uschial tuberosity 124 Which is the key muscle in gluteal region? 125 Name the nerve supplying gluteal maximus. What is the root value? 125 Name the nerve supplying gluteal medius. What	18.	OLA-31 OLA-32 OLA-33	Lateral and Medial Sides of nd Dorsum of Foot 161 Name the muscles supplied by superficial peroneal nerve 161 Enumerate muscles of anterior compartment of leg 161 Enumerate muscles of lateral compartment of leg 161 Enumerate muscles of posterior superficial
		is the root value? 126		JL/1-34	compartment of leg 161

Contents

	OLA-35	Enumerate muscles of posterior deep compart	tment	SN-25	Capsule of knee joint 191
	OLA 26	of leg 161		SN-26	Draw and label the diagram showing anastomosis
	OLA-36	Name the muscles supplied by deep percentage 162	oneai	CAO 20	around knee joint 191
	OLA-37	Name the branches of dorsalis pedis artery	162	3AQ-20	Enumerate intra-articular structures of knee joint 192
	SN-17	Peroneus longus muscle 162		SN-27	Cruciate ligament 193
		Dorsalis pedis artery 163	464	SN-28	Compare anterior and posterior cruciate
	OLA-38	Cutaneous nerve supply of dorsum of foot.	164		ligaments 194
19.	Back (of Leg	166	SN-29	Meniscus 195
	SAQ-16	Tibialis posterior muscle 166			Meniscofemoral ligaments 196
	OLA-39	Give the attachments and actions of soleus	167	-	Oblique popliteal ligament 197
	SN-19	Soleus 168		OLA-52	Transverse ligament (transverse meniscal ligament) 197
20.	Sole o	f Foot	170	SAO-23	Synovial membrane of knee joint 197
	OLA-40	Name the muscles of 1st layer of sole 170)		Coronary ligament 198
		Name the muscles of 2nd layer of sole 17			Arcuate ligament 198
		Name the muscles of 3rd layer of sole 170		OLA-55	Ligamentum patellae 198
	OLA-43	Mention the structures in the 4th layer of so	ole of	SN-30	Collateral ligaments 199
	SN-20	foot 170 Muscles supplied by lateral plantar perve	171	SN-31	Relations of knee joint 199
		Muscles supplied by lateral plantar nerve Muscles supplied by medial plantar nerve		SN-32	Movements of knee joint and muscles bringing
		Nerve supply of lumbricals of sole 172	.,_	640.24	the movements of knee joint 200
		Actions of dorsal interossei of foot 172			Stability of knee joint 202
		Actions of plantar interossei of foot 173		SN-33 SN-34	Bursae around knee joint 202
		Plantar aponeurosis 173 Comparison between the plantar and pa	lmar		Locking and unlocking of knee joint 203 Describe ankle joint (talocrural) 204
	314-22	aponeurosis 175	iiiiai	SN-35	Deltoid ligament 207
	SN-23	Layers of sole 175			Movements of ankle joint 208
	OLA-46	Cutaneous nerve supply of sole of foot 17	7		Lateral ligament of ankle joint 208
21.	Venou	s and Lymphatic Drainage	179		Describe inversion 209
		omparison of Lower and		LAQ-16	Describe eversion 210
		Limbs		SN-36	Compare pronation, supination with inversion and
				CNL 27	eversion 211
		Venous perforators of lower limb 179		SN-37	Spring ligament (plantar calcaneonavicular ligament) 211
		Describe great saphenous vein 180			ingaintent) 211
	LA()-12	Describe venous drainage of lower limb 1	83		
22	-	0	83 105 23.	Arche	s of Foot 213
22.	-		83 185		
22.	Joints OLA-47	of Lower Limb Which muscles are chief flexors of hip joint?	185 185	SAQ-26	s of Foot 213 Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213
22.	Joints OLA-47 OLA-48	of Lower Limb Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185	185 185	SAQ-26 OLA-57	Applied anatomy of arches of foot 213
22.	Joints OLA-47 OLA-48	of Lower Limb Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participation	185 185	SAQ-26 OLA-57 OLA-58	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213
22.	Joints OLA-47 OLA-48 OLA-49	of Lower Limb Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185	185 185	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214
22.	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51	of Lower Limb Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186	185 185	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214
22.	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13	of Lower Limb Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186	185 185	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214
22.	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51	of Lower Limb Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186	185 185	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214
22.	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13	of Lower Limb Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186	185 185	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214
22.	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13	of Lower Limb Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190	185 185	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217
22.	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13	of Lower Limb Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190	185 185 185 ing in	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217
	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13 SN-24	of Lower Limb Which muscles are chief flexors of hip joint? 185 What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190	185 185 ng in	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217
	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13 SN-24	of Lower Limb Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Classify knee joint (genual) 190 Section To Upper Limb	185 185 185 ing in	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 247 Enumerate the muscles acting in raising the arm
	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13 SN-24	of Lower Limb Which muscles are chief flexors of hip joint? 185 What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section	185 185 185 ing in	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 247 Enumerate the muscles acting in raising the arm above the head 247
	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2	of Lower Limb Which muscles are chief flexors of hip joint? 185 What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Classify knee joint (genual) 190 Section To Upper Limb Enumerate the muscles in the upper limb himore than 1 head 221 Enumerate the peculiarities of clavicle 225	185 185 ing in 185 ing in	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Er Limb Axilla OLA-3 LAQ-2	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 247 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247
	Joints OLA-47 OLA-47 OLA-49 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1	of Lower Limb Which muscles are chief flexors of hip joint? 185 What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Classify knee joint (genual) 190 Section To Upper Limb Enumerate the muscles in the upper limb himore than 1 head 221	185 185 ing in 185 ing in	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Axilla OLA-3 LAQ-2 SN-12	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 247 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250
24.	Joints OLA-47 OLA-47 OLA-48 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section The surface of the property of the support of the suppo	185 185 ing in 185 23. 24. 25. 26. 26. 26. 27. 28.	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Er Limb Axilla OLA-3 LAQ-2	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 247 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247
24.	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pector	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section To Upper Limb Enumerate the muscles in the upper limb himore than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 Tal Region	185 185 ing in 185 ing in	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Er Limb Axilla OLA-3 LAQ-2 SN-12 OLA-4 SN-13	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 247 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251
24.	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pectol LAQ-1	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section Sof Upper Limb Enumerate the muscles in the upper limb homore than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 Tal Region Describe mammary gland 225	185 185 ing in 185 23. 24. 25. 26. 26. 26. 27. 28.	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Er Limb Axilla OLA-3 LAQ-2 SN-12 OLA-4 SN-13 LAQ-3	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 247 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251 Describe axillary artery 253
24.	Joints OLA-47 OLA-47 OLA-48 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pectoi LAQ-1 SN-2	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section Sof Upper Limb Enumerate the muscles in the upper limb homore than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 Tal Region Describe mammary gland 225 Development of mammary gland 231	185 185 ing in 185 23. 240 250 260 270 270 270 270 270 270 27	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Er Limb Axilla OLA-3 LAQ-2 SN-12 OLA-4 SN-13 LAQ-3 OLA-5	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 247 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251 Describe axillary artery 253 Axillary lymph nodes 256
24.	Joints OLA-47 OLA-47 OLA-48 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pectol LAQ-1 SN-2 SN-3	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section For Upper Limb Enumerate the muscles in the upper limb himore than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 Tal Region Describe mammary gland 225 Development of mammary gland 231 Lymphatic drainage of mammary gland 231 Lymphatic drainage of mammary gland 231	185 185 ing in 185 23. 240 250 260 270 270 270 270 270 270 27	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Er Limb Axilla OLA-3 LAQ-2 SN-12 OLA-4 SN-13 LAQ-3	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 247 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251 Describe axillary artery 253
24.	Joints OLA-47 OLA-47 OLA-48 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pector LAQ-1 SN-2 SN-3 SN-4	Which muscles are chief flexors of hip joint? 185 What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section For Upper Limb Enumerate the muscles in the upper limb himore than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 Tal Region Describe mammary gland 225 Development of mammary gland 231 Lymphatic drainage of mammary gland 235 Serratus anterior muscle 234	185 185 ing in 185 23. 240 250 260 270 270 270 270 270 270 27	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Er Limb Axilla OLA-3 LAQ-2 SN-12 OLA-4 SN-13 LAQ-3 OLA-5 SN-14 SN-15	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251 Describe axillary artery 253 Axillary lymph nodes 256 Axillary lymph nodes 256 Describe brachial plexus 257 How does nerve plexus is formed? 260
24.	Joints OLA-47 OLA-47 OLA-48 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pectol LAQ-1 SN-2 SN-3	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section For Upper Limb Enumerate the muscles in the upper limb himore than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 Tal Region Describe mammary gland 225 Development of mammary gland 231 Lymphatic drainage of mammary gland 231 Lymphatic drainage of mammary gland 231	185 185 ing in 185 23. 240 250 260 270 270 270 270 270 270 27	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Er Limb Axilla OLA-3 LAQ-2 SN-12 OLA-4 SN-13 LAQ-3 OLA-5 SN-14 LAQ-4 SN-15 OLA-6	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251 Describe axillary artery 253 Axillary lymph nodes 256 Axillary lymph nodes 256 Describe brachial plexus 257 How does nerve plexus is formed? 260 What is brachial plexus? 261
24.	Joints OLA-47 OLA-48 OLA-49 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pector LAQ-1 SN-2 SN-3 SN-4 SN-5	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section For Upper Limb Enumerate the muscles in the upper limb hamore than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 For I Region Describe mammary gland 225 Development of mammary gland 231 Lymphatic drainage of mammary gland 235 Serratus anterior muscle 234 Nerve to serratus anterior 235	185 185 ing in 185 23. 240 250 260 270 270 270 270 270 270 27	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Er Limb Axilla OLA-3 LAQ-2 SN-12 OLA-4 SN-13 LAQ-3 OLA-5 SN-14 SN-15	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251 Describe axillary artery 253 Axillary lymph nodes 256 Axillary lymph nodes 256 Describe brachial plexus 257 How does nerve plexus is formed? 260 What is brachial plexus? 261 What is prefixed and post-fixed brachial
24.	Joints OLA-47 OLA-47 OLA-48 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pectol LAQ-1 SN-2 SN-3 SN-4 SN-5 SN-6 SN-7 SN-8	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section For Upper Limb Enumerate the muscles in the upper limb homore than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 Fal Region Describe mammary gland 225 Development of mammary gland 231 Lymphatic drainage of mammary gland 235 Serratus anterior muscle 234 Nerve to serratus anterior 235 Suprascapular nerve 237 Nerve to the subclavius 238 Trapezius 238	185 185 ing in 185 23. 240 250 260 270 270 270 270 270 270 27	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Cr Limb Axilla OLA-3 LAQ-2 SN-12 OLA-4 SN-13 LAQ-3 OLA-5 SN-14 LAQ-4 SN-15 OLA-6 OLA-7	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 247 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251 Describe axillary artery 253 Axillary lymph nodes 256 Axillary lymph nodes 256 Describe brachial plexus 257 How does nerve plexus is formed? 260 What is brachial plexus? 261 What is prefixed and post-fixed brachial plexus? 261
24.	Joints OLA-47 OLA-48 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pectoi LAQ-1 SN-2 SN-3 SN-4 SN-5 SN-6 SN-7 SN-8 SN-9	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section For Upper Limb Enumerate the muscles in the upper limb him more than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 Fal Region Describe mammary gland 225 Development of mammary gland 231 Lymphatic drainage of mammary gland 235 Serratus anterior muscle 234 Nerve to serratus anterior 235 Suprascapular nerve 237 Nerve to the subclavius 238 Trapezius 238 Pectoralis minor 239	185 185 ing in 185 23. 240 250 260 270 270 270 270 270 270 27	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Er Limb Axilla OLA-3 LAQ-2 SN-12 OLA-4 SN-13 LAQ-3 OLA-5 SN-14 LAQ-4 SN-15 OLA-6	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251 Describe axillary artery 253 Axillary lymph nodes 256 Axillary lymph nodes 256 Describe brachial plexus 257 How does nerve plexus is formed? 260 What is brachial plexus? 261 What are the components of brachial plexus? 261 What are the components of brachial
24.	Joints OLA-47 OLA-47 OLA-48 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pectoi LAQ-1 SN-2 SN-3 SN-4 SN-5 SN-6 SN-7 SN-8 SN-9 SN-10	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section Sof Upper Limb Enumerate the muscles in the upper limb himore than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 Tal Region Describe mammary gland 225 Development of mammary gland 231 Lymphatic drainage of mammary gland 231 Lymphatic drainage of mammary gland 235 Serratus anterior muscle 234 Nerve to serratus anterior 235 Suprascapular nerve 237 Nerve to the subclavius 238 Trapezius 238 Pectoralis minor 239 Pectoralis major 240	185 185 ing in 185 23. 240 250 260 270 270 270 270 270 270 27	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Cr Limb Cr Li	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251 Describe axillary artery 253 Axillary lymph nodes 256 Axillary lymph nodes 256 Describe brachial plexus 257 How does nerve plexus is formed? 260 What is prefixed and post-fixed brachial plexus? 261 What are the components of brachial plexus? 262 What are parts of brachial plexus? 263
24.	Joints OLA-47 OLA-48 OLA-50 OLA-51 LAQ-13 SN-24 Bones OLA-1 OLA-2 SN-1 Pectoi LAQ-1 SN-2 SN-3 SN-4 SN-5 SN-6 SN-7 SN-8 SN-9	Which muscles are chief flexors of hip joint? What is the nerve supply of hip joint? 185 Names the articulating surface participating formation of hip joint 185 Dislocation of hip joint 185 Attachments of capsule of hip joint 186 Describe hip joint 186 Classify knee joint (genual) 190 Section For Upper Limb Enumerate the muscles in the upper limb him more than 1 head 221 Enumerate the peculiarities of clavicle 22: Coracoid process 223 Fal Region Describe mammary gland 225 Development of mammary gland 231 Lymphatic drainage of mammary gland 235 Serratus anterior muscle 234 Nerve to serratus anterior 235 Suprascapular nerve 237 Nerve to the subclavius 238 Trapezius 238 Pectoralis minor 239	185 185 ing in 185 23. 240 250 260 270 270 270 270 270 270 27	SAQ-26 OLA-57 OLA-58 OLA-59 SAQ-27 LAQ-17 LAQ-18 Cr Limb Axilla OLA-3 LAQ-2 SN-12 OLA-4 SN-13 LAQ-3 OLA-5 SN-14 LAQ-4 SN-15 OLA-6 OLA-7	Applied anatomy of arches of foot 213 Enumerate functions of the foot. 213 Name the inverters of foot 213 Talipes equinovarus—clubfoot 214 Supports of arches 214 Describe medial longitudinal arch 214 Describe lateral longitudinal arch 217 Enumerate the muscles acting in raising the arm above the head 247 Describe axilla 247 Axillary fascial 'tent' 250 Name the branches that arise from each of three parts of axillary artery 250 2nd part of axillary artery 251 Describe axillary artery 253 Axillary lymph nodes 256 Axillary lymph nodes 256 Describe brachial plexus 257 How does nerve plexus is formed? 260 What is brachial plexus? 261 What are the components of brachial plexus? 261 What are the components of brachial

Exam-Oriented Anatomy

xvi

	OLA-10	Branches of roots, and trunks of brachial	SN	N-32	Extensor retinaculum 324
		plexus 263	Ol	LA-35	Name the muscles supplied by median nerve in
		Branches of cords of brachial plexus 264		10.10	hand 325
		Dorsal scapular nerve 265 Branches of lateral cord of brachial plexus 265			Describe median nerve 325 Name the superficial flexors of forearm and their
		Horner's syndrome 266	O	L/\-30	nerve supply 331
	SN-18	Erb's paralysis 267	Ol	LA-37	Branches of ulnar nerve in forearm 322
	SN-19	Klumpke's paralysis 269			Name the muscles inserted in the extensor
		Cervical rib 271			expansion of index finger 322
		Sprengel's deformity 271	Ol	LA-39	Enumerate the muscles pass through the carpal
	OLA-16	Nerve injuries of upper limb 271	CN		tunnel 332
27	Scanu	lar Region 273			Carpal tunnel 333 Cutaneous supply of palm of hand 334
					Cutaneous supply of dorsum of hand 335
	OLA-17	Actions of deltoid muscle and its nerve			
	SN-20	supply 273 Deltoid 273			Dupuytren's contracture 335
	SAQ-1	Rotator cuff 275			Dorsal digital expansion 336
	SAQ-2	Quadrangular space 277	O	LA-42	Enumerate the muscles inserted in the extensor expansion of middle finger 337
		Upper triangular space 278	LA	AO-13	Describe interossei 338
		Lower triangular space 278			Nerve supply of lumbricals 339
	OLA-10	Name the muscles supplied by axillary nerve 279			Actions of lumbricals 339
	OLA-19	A ten-year-old girl fractures her humerus at the			Lumbricals 340
		surgical neck. What damage would you check for			Branches of superficial palmar arch 341 Describe superficial palmar arch 341
		and how? 279			Branches of deep palmar arch 342
	LAQ-5	Describe axillary nerve 279			Describe deep palmar arch 342
	SN-21 SN-22	Movements of the pectoral girdle 282 Winging of scapula 283			Name the muscles supplied by ulnar nerve in
	SN-23	Ape thumb deformity 285			hand 344
	SN-24	Scapular anastomosis 286			Describe ulnar nerve 344
	•	· · · · · · · · · · · · · · · · · · ·			Pulp space 347 Contents of thenar space 347
28.		eous Nerves, Superficial Veins			Muscles of thenar space 348
	and Ly	ymphatic Drainage 287			Nerve supply of muscles of thenar space 348
	OLA-20	Describe the origin and termination of cephalic			Palmar spaces 349
		vein 287			Extensor expansion of little finger 350 Extensor expansion of ring finger 350
	LAQ-6	Describe cephalic vein 287			
	OLÀ-21	Median cubital vein—importance 290	SN	N-40	Posterior interosseous nerve 350
			SN	N-40	
20	OLA-21 SN-25 SN-26	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291	31. Jo	oints LA-53	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352
29.	OLA-21 SN-25	Median cubital vein—importance 290 Median cubital vein 291	31. Jo	oints LA-53	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder
29.	OLA-21 SN-25 SN-26 Arm OLA-22	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293	31. Je	oints LA-53 LA-54	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293	31. Je	oints LA-53 LA-54	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296	31. Jo	N-40 oints DLA-53 DLA-54 DLA-55	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293	31. Je OI OI OI	oints LA-53 LA-54 LA-55 LA-56	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301	SN 31. Je Ol Ol Ol	oints DLA-53 DLA-54 DLA-55 DLA-56 DLA-56	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-26	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in axilla 301	SN 31. Jd OI OI OI LA SN	oints PLA-53 PLA-54 PLA-55 PLA-56 PLA-56 N-41	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-26	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in front of lower part of	SN 31. Je OI OI OI LA SN SN	oints DLA-53 DLA-54 DLA-55 DLA-56 DLA-56 N-41 N-42	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-25 OLA-27	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in front of lower part of arm 301	SN 31. Je OI OI OI LA SN SN LA	Oints PLA-53 PLA-54 PLA-55 PLA-56	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-26	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in front of lower part of	SN 31. Je OI OI OI LA SN SN LA	oints LA-53 LA-54 LA-56 LA-56 AQ-17 N-41 N-42 AQ-18	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-26 OLA-27 LAQ-9 SN-27 SN-28	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in radial groove 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309	SN 31. Je OI OI OI LA SN SN LA OI SN	oints PLA-53 PLA-55 PLA-56 PLA-56 AQ-17 N-41 N-42 AQ-18 PLA-57 N-43	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-25 OLA-27 EAQ-9 SN-27 SN-27 SN-28 SN-29	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Paranches of radial nerve in radial groove 301 Branches of radial nerve in axilla 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310	SN 31. Je OI OI OI OI LA SN SN LA OI SN LA	oints PLA-53 PLA-54 PLA-55 PLA-56 PLA-56 AQ-17 N-41 N-42 AQ-18 PLA-57 N-43 AQ-19	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Describe elbow joint 361
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-25 OLA-27 EAQ-9 SN-27 SN-27 SN-28 SN-29	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral	SN 31. Je OI OI OI LA SN SN LA OI SN LA	oints LA-53 LA-54 LA-55 LA-56 AQ-17 N-41 N-42 AQ-18 LA-57 N-43 AQ-19 AQ-5	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-26 OLA-27 SN-27 SN-27 SN-28 SN-29 OLA-28	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Paranches of radial nerve in radial groove 301 Branches of radial nerve in axilla 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310	SN 31. Je OI OI OI LA SN SN LA OI SN LA	oints LA-53 LA-54 LA-56 LA-56 AQ-17 N-41 N-42 AQ-18 LA-57 N-43 AQ-19 AQ-5 DLA-58	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-25 SN-27 SN-27 SN-28 SN-29 OLA-28 OLA-28	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in radial groove 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral head of triceps? 311 Boundaries of cubital fossa 312 Contents of cubital fossa 312	SN 31. Je OI OI OI LA SN SN LA OI SN SA OI	N-40 oints plA-53 plA-54 plA-56 plA-56 plA-56 plA-56 plA-57 n-41 n-42 plA-57 n-43 plA-57 n-43 plA-58 n-44	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Describe elbow joint 361 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364 Radioulnar joints 364
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-26 OLA-27 SN-27 SN-27 SN-28 SN-29 OLA-28 OLA-29 OLA-29 OLA-29 OLA-30 OLA-31	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in axilla 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral head of triceps? 311 Boundaries of cubital fossa 312 Contents of cubital fossa 312 Applied anatomy of cubital fossa 313	SN 31. Je OI OI OI LA SN SN LA OI SN SA OI SA	N-40 oints pLA-53 pLA-54 pLA-56 pLA-56 AQ-17 N-41 N-42 AQ-18 pLA-57 N-43 AQ-19 AQ-5 pLA-58 N-44 N-45	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Describe elbow joint 361 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364 Radioulnar joints 364 Interosseous membrane 366
29.	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-26 OLA-27 SN-27 SN-27 SN-28 SN-29 OLA-28 OLA-29 OLA-29 OLA-29 OLA-30 OLA-31	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in radial groove 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral head of triceps? 311 Boundaries of cubital fossa 312 Contents of cubital fossa 312	SN 31. Je OI OI OI OI LA SN SN LA OI SN LA OI SN LA OI SN LA	oints oLA-53 oLA-54 oLA-55 oLA-56 oLA-56 oLA-56 oLA-57 N-41 N-42 oLA-57 N-43 oLA-57 N-43 oLA-58 N-44 N-45 oLA-58	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Describe elbow joint 361 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364 Radioulnar joints 364
	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-25 OLA-25 OLA-27 SN-27 SN-28 SN-29 OLA-28 OLA-29 OLA-29 OLA-30 OLA-31 LAQ-10	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in radial groove 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral head of triceps? 311 Boundaries of cubital fossa 312 Contents of cubital fossa 312 Applied anatomy of cubital fossa 313 Describe cubital fossa 313	SN 31. Je OI OI OI OI LA SN SN LA OI SN SN LA OI	N-40 oints plA-53 plA-54 plA-56 plA-56 AQ-17 N-41 N-42 AQ-18 plA-57 N-43 AQ-19 AQ-5 plA-58 N-44 N-45 AQ-20 plA-60 plA-60	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364 Radioulnar joints 364 Interosseous membrane 366 Describe supination and pronation 367 Classify the radioulnar joints 369 Bones forming wrist joint 369
	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-26 OLA-27 SN-29 OLA-29 OLA-29 OLA-30 OLA-31 LAQ-10	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in axilla 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral head of triceps? 311 Boundaries of cubital fossa 312 Contents of cubital fossa 313 Describe cubital fossa 313 Tm and Hand 316	SN 31. Je OI OI OI OI LA SN SN LA OI SN LA OI OI LA CI	N-40 oints plA-53 plA-54 plA-56 plA-56 plA-56 plA-56 plA-57 n-41 n-42 plA-57 n-43 plA-57 n-43 plA-58 n-44 n-45 plA-58 n-44 n-45 plA-59 plA-60	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Describe elbow joint 361 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364 Radioulnar joints 364 Interosseous membrane 366 Describe supination and pronation 367 Classify the radioulnar joints 369 Bones forming wrist joint (radiocarpal) 369
	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-27 LAQ-9 SN-27 SN-28 SN-29 OLA-28 OLA-29 OLA-31 LAQ-10 Foreal	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in axilla 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral head of triceps? 311 Boundaries of cubital fossa 312 Applied anatomy of cubital fossa 312 Applied anatomy of cubital fossa 313 Describe cubital fossa 313 **mand Hand** 316	SN 31. Je OI OI OI OI LA SN SN LA OI SN LA OI OI LA CI	N-40 oints plA-53 plA-54 plA-56 plA-56 plA-56 plA-56 plA-57 n-41 n-42 plA-57 n-43 plA-57 n-43 plA-58 n-44 n-45 plA-59 plA-69 plA-60	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Describe elbow joint 361 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364 Radioulnar joints 364 Interosseous membrane 366 Describe supination and pronation 367 Classify the radioulnar joints 369 Bones forming wrist joint 369 Describe wrist joint (radiocarpal) 369 Name the movements at metacarpophalangeal
	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-25 OLA-26 OLA-27 SN-27 SN-28 SN-29 OLA-28 OLA-29 OLA-30 OLA-31 LAQ-10	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in axilla 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral head of triceps? 311 Boundaries of cubital fossa 312 Contents of cubital fossa 313 Describe cubital fossa 313 Tm and Hand 316	SN 31. Je OI OI OI OI LA SN SN LA OI SN LA OI OI LA CI	N-40 oints plA-53 plA-54 plA-56 plA-56 plA-56 plA-56 plA-57 n-41 n-42 plA-57 n-43 plA-57 n-43 plA-58 n-44 n-45 plA-59 plA-69 plA-60	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Describe elbow joint 361 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364 Radioulnar joints 364 Interosseous membrane 366 Describe supination and pronation 367 Classify the radioulnar joints 369 Bones forming wrist joint 369 Describe wrist joint (radiocarpal) 369 Name the movements at metacarpophalangeal joint of middle finger and muscles causing
	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-27 SN-27 SN-29 OLA-29 OLA-30 OLA-31 LAQ-10 Foreal OLA-32 LAQ-11 OLA-33	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in axilla 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral head of triceps? 311 Boundaries of cubital fossa 312 Contents of cubital fossa 312 Contents of cubital fossa 313 Describe ulnar artery 316 Branches of radial artery in forearm 316 Describe ulnar artery 316 Name the boundaries and contents of anatomical snuffbox 320	SN 31. Je OI OI OI OI LA SN SN LA OI SN LA OI OI OI SN SN SN SN LA OI SN	N-40 oints plA-53 plA-54 plA-56 plA-56 plA-56 plA-56 plA-57 n-41 n-42 plA-57 n-43 plA-58 n-44 n-45 plA-58 n-44 n-45 plA-60 plA-60 plA-61 n-46	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364 Radioulnar joints 364 Interosseous membrane 366 Describe supination and pronation 367 Classify the radioulnar joints 369 Bones forming wrist joint 369 Describe wrist joint (radiocarpal) 369 Name the movements at metacarpophalangeal joint of middle finger and muscles causing them 374 First carpometacarpal joint 374
	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-27 LAQ-9 SN-27 SN-28 SN-29 OLA-28 OLA-31 LAQ-10 Foreal OLA-32 LAQ-11 OLA-33 SN-30	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in radial groove 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral head of triceps? 311 Boundaries of cubital fossa 312 Contents of cubital fossa 312 Applied anatomy of cubital fossa 313 Describe cubital fossa 313 'm and Hand 316 Branches of radial artery in forearm 316 Describe ulnar artery 316 Name the boundaries and contents of anatomical snuffbox 320 Anatomical snuffbox 321	SN 31. Je OI OI OI OI LA SN SN LA OI SN LA OI OI OI SN SN LA OI OI OI SN SN SN LA OI OI SN	N-40 oints pLA-53 pLA-54 pLA-56 AQ-17 N-41 N-42 AQ-18 pLA-57 N-43 AQ-19 AQ-5 pLA-58 N-44 N-45 AQ-20 pLA-59 pLA-60 pLA-61 N-46 N-47	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Describe elbow joint 361 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364 Radioulnar joints 364 Interosseous membrane 366 Describe supination and pronation 367 Classify the radioulnar joints 369 Bones forming wrist joint (radiocarpal) 369 Name the movements at metacarpophalangeal joint of middle finger and muscles causing them 374 Tennis elbow 376
	OLA-21 SN-25 SN-26 Arm OLA-22 LAQ-7 OLA-23 OLA-24 LAQ-8 OLA-27 LAQ-9 SN-27 SN-28 SN-29 OLA-28 OLA-31 LAQ-10 Foreal OLA-32 LAQ-11 OLA-33 SN-30	Median cubital vein—importance 290 Median cubital vein 291 Bicipital aponeurosis 291 293 Attachments and actions of biceps brachii 293 Describe musculocutaneous nerve 293 Medial pectoral nerve 296 Medial cutaneous nerve of forearm 297 Describe brachial artery 297 Branches of radial nerve in radial groove 301 Branches of radial nerve in axilla 301 Branches of radial nerve in front of lower part of arm 301 Describe radial nerve 301 Applied anatomy of radial nerve 308 Wrist drop 309 Profunda brachii artery 310 What structures pass between medial and lateral head of triceps? 311 Boundaries of cubital fossa 312 Contents of cubital fossa 312 Contents of cubital fossa 313 Describe ulnar artery 316 Branches of radial artery in forearm 316 Describe ulnar artery 316 Name the boundaries and contents of anatomical snuffbox 320	SN 31. Je OI OI OI OI LA SN SN LA OI SN LA OI OI OI SN SN LA OI OI OI SN SN SN LA OI OI SN	N-40 oints plA-53 plA-54 plA-56 plA-56 plA-56 plA-56 plA-57 n-41 n-42 plA-57 n-43 plA-58 n-44 n-45 plA-58 n-44 n-45 plA-60 plA-60 plA-61 n-46	Posterior interosseous nerve 350 of Upper Limb 352 Name the factors stabilizing shoulder joint 352 Name the muscles causing adduction at shoulder joint 352 Muscles causing lateral rotation at shoulder joint 352 Muscles causing medial rotation at shoulder joint 352 Describe intrinsic muscles of hand 353 Branches of ulnar nerve in hand 353 Coracoacromial arch 355 Describe shoulder joint or glenohumeral joint 356 Name the flexors of the elbow joint 360 Anastomosis around the elbow joint 360 Carrying angle 364 Name the movements at radioulnar joints and muscles causing them. 364 Radioulnar joints 364 Interosseous membrane 366 Describe supination and pronation 367 Classify the radioulnar joints 369 Bones forming wrist joint 369 Describe wrist joint (radiocarpal) 369 Name the movements at metacarpophalangeal joint of middle finger and muscles causing them 374 First carpometacarpal joint 374