



**PRELIMS REVIEWER**

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**I. UNDERSTANDING PHLEBOTOMY**

**Phlebotomy** - process of collecting blood  
 Greek word: **phlebos** - vein; **temnein** - cut  
 (venesection)

**A. EVOLUTION OF PHLEBOTOMY**

- **Ancient Egyptians** - form of "bloodletting" as early as 1400 BC
  - Hippocrates - (460-377 BC) - believed on **four humors**
    1. Earth - Blood and Brain
    2. Air - Phlegm and Lungs
    3. Fire - Black Bile and Spleen
    4. Water - Yellow bile and gall bladder.
 Excess humor through bloodletting to keep balance.
  - Middle Ages - Barber-Surgeons - Bloodletting as part of treatment of some illness.
  - 17th and 18th centuries - treated as major therapy
    1. **Cupping** - alternative medicine that help ease pain, inflammation or other health concerns.
    2. **Leeching (hirudotherapy)**
      - uses leeches for bloodletting and microsurgical replantation.
      - **Hirudo medicinal (medicinal leech)** - Leeches inject local vasodilator, anesthetic and hirudin (anticoagulant).

**B. MAIN GOALS AND MAIN METHODS OF PHLEBOTOMY**

1. For diagnosis and treatment using blood samples.
2. For transfusion, to remove blood from donor.
3. Removal of blood for polycythemia or therapeutic purposes.

**Venipuncture** - blood collection using a needle instead in a vein.

**Capillary Puncture** - puncturing the skin.

**C. ROLES, TRAITS, CREDENTIALS OF A PHLEBOTOMIST**

**ROLES**

1. Collect Blood Samples for laboratory testing or for transfusion
2. Delivering and transporting collected samples within appropriate prescribed time limits.
3. Process collected blood such as centrifuging, aliquoting samples ready for lab testing.
4. Assisting in collection of urine and non-blood sample for patients.
5. Blood Letting - drawing blood units from donors for transfusion

**TRAITS**

1. Skills and Knowledge
2. Good Manual Dexterity - not too stiff
3. Special Communication Skills
4. Good Organizational Skills

5. Thorough knowledge of laboratory specimen requirements.
6. Training in phlebotomy skills coupled with standard practice

**CREDENTIALS**

1. Certification or License and continuing education
2. Accredited, Recognize and Certified
3. Pass the Licensure Exam

**D. PATIENT-CLIENT INTERACTION AND QUALITIES OF PROFESSIONALISM**

**PATIENT-CLIENT INTERACTION**

1. Reassuring and Pleasant when dealing with patients.
2. Able to communicate well despite of cultural and social difference.
3. Maintain positive customer relations
4. Understand the diversity of the patients and be able to adjust accordingly.

**NOTE:** Patients come from various backgrounds and have different customs and traditions, beliefs and values, attitudes and needs based on their environment and culture.

**QUALITIES OF PROFESSIONALISM**

1. Be Professional (conservative clothing, proper personal hygiene).
2. Self Confidence
3. Integrity (honesty and consistency in action, values and beliefs)
4. Compassionate - sensitivity to needs, ability to stay calm and helpful demeanor
5. Self-motivated, positive attitude and initiative to follow through task and continuously look for areas of improvement.
6. Dependable, observe proper work ethic, take responsibility for their actions.
7. Good ethical behavior, conforming to standards to avoid exposing patients to harm.

**E. LEVELS AND BASIC CONCEPTS OF COMMUNICATION IN HEALTHCARE SETTING**

1. **Verbal Communication** - effective communication. Sender (speaker) and Receiver (listener) are able to accurately exchange ideas by using feedback, clarify and confirm ideas. Use words that can be easily understood by patient.
2. **Non-Verbal Communication** - facial expressions and non-verbal cues, Kinetics (body motion, language), Proxemics (space), appearance (attire), touch (thoughtful expressions).
3. **Active Listening** - major part of communication



# Clinical Laboratory Science 121

**Patricia Lockamy Royal**

## **Clinical Laboratory Science 121 :**

*Careers in Focus* Facts on File,2009 Explores twenty one technician and technologist jobs in the field of medicine including the nature of the work education or training getting started advancement salary employment outlook and more

**Procedures in Phlebotomy - E-Book** John C. Flynn,2023-08-12 Featuring concise easy to read coverage Procedures in Phlebotomy 5th Edition provides clear guidelines for performing both basic and special phlebotomy techniques It describes proper procedures for venipuncture special collection procedures and pediatric and geriatric considerations and addresses essential topics such as infection control OSHA guidelines and anatomy and physiology It also discusses professional issues such as interpersonal communication department management total quality and medical legal topics This edition includes enhanced infection control and prevention protocols updated healthcare law coverage expanded review questions and an updated practice test to prepare you for classroom and certification success Step by step illustrated procedures clearly outline essential phlebotomy competencies and techniques Essentials approach focuses on the need to know basics required to practice phlebotomy Case scenarios woven throughout the chapters help you continually apply content to practice Review questions in each chapter test your ability to recall information and apply critical thinking skills answers and rationales are included in the appendices Mock certification exam with 150 multiple choice questions and answers provides valuable practice for the credentialing test Safety Summary focuses on key points to ensure safe practice Competency checklists facilitate peer instructor and self evaluation on clinical procedures progress Key terms are listed at the beginning of each chapter highlighted in the text and defined in a back of book glossary NEW Protocols for enhanced infection control and prevention address COVID 19 and other emerging pathogens UPDATED Healthcare law coverage includes up to date content on the latest clinical guidelines EXPANDED and REVISED Review questions and a practice test help prepare you for classroom and certification success NEW COVID 19 content included throughout where relevant

*Today's Health Professions* Patricia Lockamy Royal,2016-01-08 From athletic trainer to speech pathologist and every major healthcare profession in between you'll explore their histories employment opportunities licensure requirements earnings potential and career paths Professional healthcare providers share their personal stories introduce you to their work and describe what a typical day is like Their insights help you to see which career might be the right one for you

## **Digest of Education**

**Statistics** ,2009 Contains information on a variety of subjects within the field of education statistics including the number of schools and colleges enrollments teachers graduates educational attainment finances Federal funds for education libraries international education and research and development

*Health Careers Today E-Book* Judith Gerdin,2021-10-20 Find the healthcare career that's right for you Health Careers Today 7th Edition provides a complete overview of the most popular careers in health care helping you make an informed decision in choosing a profession Not only does this book discuss the roles and responsibilities of different occupations it provides a solid foundation in the skills and competencies that each

health career requires Clear explanations of anatomy and physiology disease processes and treatments provide essential knowledge of the human body and show how health concepts apply to the work of various professionals From experienced educator Judith Gerdin this edition adds new coverage of skills and the changing healthcare environment an Evolve website includes anatomy animations videos of skills and careers and more Chapters on health careers focus on allied health professions and careers in high demand including commonly performed skills education requirements and potential earnings of each Skill Activities provide the opportunity to obtain hands on experience with detailed instructions on how to perform crucial tasks Case studies let you practice critical thinking by solving real world questions and problems Health Careers in Practice boxes include profiles of working healthcare professionals and the pros and cons of specific careers Brain Bytes reinforce concepts with facts and points of interest relating to the chapter content Review questions in each chapter allow you to assess your understanding of the material Additional resources include information on professional associations accreditations and government agencies for each healthcare profession NEW New and updated content covers health care systems professionals and patient workflow including the latest reimbursement models and a discussion of future trends NEW content on fundamental healthcare skills includes topics such as basic accounting health insurance and use of electronic health records NEW Expanded content addresses cultural competency diversity awareness and bias

**Dun's**

**Healthcare Reference Book** ,1996    **Catalogue of the Alabama Polytechnic Institute** ,1916    Annual Catalog South Dakota Agricultural College,South Dakota State University,1967    *College Credit Recommendations* ,1992    Catalogue of the Trustees, Officers, and Students, of the University ... and of the Grammar and Charity Schools ... University of Pennsylvania,1921    Reports of the Provost and Treasurer University of Pennsylvania,1894    **CRC Critical Reviews in Clinical Laboratory Sciences** ,1982    Catalogue and Circular of the Agricultural and Mechanical College of Alabama Agricultural and Mechanical College of Alabama,1912    **Undergraduate Courses of Study** University of Pennsylvania,1921    *Clinical Laboratory Reference* ,1992 Laboratory products and services currently available in the United States Product information section arranged alphabetically by companies Entries include description and ordering information Indexes by manufactures brand names and test equipment and services Product photograph section    List of Periodicals Abstracted by Chemical Abstracts, with Key to Library Files and Other Information American Chemical Society,1922    **Benn's Media** ,2003    *Journal of the American Medical Association* American Medical Association,1902    *General Information and Announcements* University of Oklahoma,1918    **General Catalog** Colorado State University,1972

## Whispering the Secrets of Language: An Psychological Quest through **Clinical Laboratory Science 121**

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