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STUDY GUIDE

7th edition

CLINICAL LABORATORY

Medical Laboratory Technician (MLT)
Medical Laboratory Scientist (MLS)

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BOC Study Guide, 2018 *BOC STUDY GUIDE MLS-MLT CLINICAL LABORATORY EXAMINATIONS*. ASCP EDITORIAL BOARD., 2022 Certified Cost Professional (CCP) Certification Study Guide Makarand Hastak, 2016-06-10 The AACE International CCP Certification Study Guide 2nd Edition is designed as a companion workbook to the Skills and Knowledge of Cost Engineering 6th Edition S K 6 In conjunction with S K 6 this study guide will assist individuals in their preparation for the CCP Certification examination as well as develop the general knowledge a cost engineering professional is expected to have This study guide offers insight into the key topics found in each chapter of S K 6 and provides practice questions and exercises to better develop knowledge in individual areas **ASCP MLT Exam** The Examelot Team, 2024-11-03 Prepare for the ASCP BOC Medical Laboratory Technician MLT Exam with this unofficial book of practice questions now in its second edition This edition includes 500 multiple choice questions 100 more than the previous version covering all seven ASCP MLT exam content areas 1 Blood banking 2 Urinalysis and other body fluids 3 Chemistry 4 Hematology 5 Immunology 6 Microbiology 7 Laboratory operations Questions mirror the types of questions you ll encounter on the ASCP MLT exam Answers are provided at the end of each section complete with explanations to help deepen your understanding New to this edition 100 new questions Corrections and refinements to previous questions Updates to align with the latest ASCP MLS exam guidelines This book is also a valuable resource for those taking the ASCP MLS exam as both exams share similar content This book offers unique questions different from those in the ASCP MLS Exam Practice Questions book **SAMPLE QUESTIONS** Below are six sample questions from the book 1 **BLOOD BANKING** The _____ effect is the phenomenon of stronger antigen expression with homozygous genotypes than heterozygous genotypes a dosage b homozygous c position d prozone Answer a dosage Explanation The dosage effect is when an antigen reacts more strongly when there are two copies of a gene homozygous than when there is only one copy heterozygous 2 **URINALYSIS AND OTHER BODY FLUIDS** What is nocturia a Blood in the urine b Difficulty urinating c Excessive urination at night d Pain during a period Answer c Excessive urination at night Explanation Nocturia is the condition of waking up during the night to urinate It can disrupt sleep and is often a symptom of underlying health issues such as diabetes heart failure or urinary tract infections 3 **HEMATOLOGY** Which type of immunoglobulin is the Donath Landsteiner antibody a IgA b IgD c IgG d IgM Answer c IgG Explanation The Donath Landsteiner antibody is an IgG autoantibody that causes a rare disorder called paroxysmal cold hemoglobinuria The antibody binds to red blood cells in cold temperatures leading to hemolysis when the blood warms to 37 C 4 **IMMUNOLOGY** Which of these diseases is a viral infection of the liver a Hepatitis B b HIV c Syphilis d Tuberculosis Answer a Hepatitis B Explanation Of the possible answers only hepatitis B is a viral infection of the liver 5 **MICROBIOLOGY** Which of these could cause stain precipitation a Excessive buffer b Excessive humidity in the air c Insufficient staining time d Use of aged staining solutions Answer d Use of aged staining solutions Explanation Stain precipitation is the presence of

unwanted dots specks or crystals on a slide caused by particles from the staining solution Precipitation can occur because the staining procedure was too long the rinsing was insufficient or because the staining solution is old Over time staining solutions can deteriorate leading to the formation of insoluble particles

6 LABORATORY OPERATIONS A lab assistant makes a 1:6 dilution of serum in water The assistant then performs a glucose test on the diluted serum The result is 72 mg/dL What result should the lab assistant report to the doctor a 12 mg/dL b 72 mg/dL c 432 mg/dL d 720 mg/dL Answer c 432 mg/dL Explanation The serum has been diluted by a factor of 6 Therefore you need to multiply the glucose result by 6 to get the true result 72 $\times$ 6 = 432

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ASCP PBT Practice Tests The Examelot Team, 2021-10-27

Prepare for the ASCP BOC Phlebotomy Technician PBT exam with this unofficial book of practice questions This book contains 400 multiple choice questions divided into five practice tests Information about the ASCP PBT exam You ll learn what topics you need to study what to bring on exam day and how to get your exam results Each test contains 80 questions just like the real ASCP PBT exam and the questions are based on the seven content areas of the exam Circulatory system Specimen collection Specimen handling transport and processing Waived and point of care testing Non blood specimens Laboratory operations All answers to the questions can be found at the end of each practice test To give you an idea of what the questions are like below are three questions from the book The fluid part of blood remaining after a clot has formed is called a blood b heparin c plasma d serum e whole blood What is the maximum lancet size for heel punctures on babies a 1 4 mm b 2 4 mm c 3 4 mm d 4 4 mm e 5 4 mm Lavender top tubes contain which additive a EDTA b Lithium heparin c Sodium fluoride d Sodium heparin e Sodium oxalate

MLT Study Guide Cynthia S. Barnett,Georgia Sims,2025

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