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Phlebotomy national exam practice test

Correct Answer A. Study and treatment of cancer Explanation Oncology is the study and treatment of cancer. It focuses on understanding the causes, development, diagnosis, and treatment of various types of cancer. Oncologists specialize in providing medical care to cancer patients, including chemotherapy, radiation therapy, and surgical interventions. They also conduct research to develop new treatments and improve existing ones. Correct Answer A. A small needle with two plastic wings and tubing Explanation The correct answer is "a small needle with two plastic wings and tubing." This answer describes a butterfly needle, which is commonly used in medical procedures to draw blood or administer medication. The needle has two plastic wings that allow for easy handling and stabilization during the procedure, and it is connected to tubing to facilitate the flow of fluids. Correct Answer A. Patient id number name and birthday Explanation The proper way to identify a patient is by using their patient ID number, name, and birthday. This combination of information ensures accurate identification and helps prevent any confusion or mistakes in medical records or treatment. Using an armband, color of eyes, or credit card number and address may not provide sufficient and reliable identification. Correct Answer Explanation The correct answer is Oncology. Oncology is the section of the hospital that specializes in the treatment of cancer. Patients who are being treated for cancer would typically be in the oncology department, where they would receive specialized care and treatment for their condition. Correct Answer A. Direct them to ask the physician, do not provide results Explanation It is important to direct the patient to ask the physician for test results because as a non-medically qualified individual, it is not appropriate to provide medical information. The physician is the one who ordered the tests and is qualified to interpret the results and explain them to the patient. This ensures that the patient receives accurate and reliable information from a qualified professional. Correct Answer A. Human immunodeficiency virus Explanation The correct answer is "Human immunodeficiency virus." HIV is a virus that attacks the immune system, specifically targeting CD4 cells. It weakens the immune system and makes individuals more susceptible to infections and diseases. It is transmitted through certain body fluids, such as blood, semen, vaginal fluids, and breast milk. HIV can lead to acquired immunodeficiency syndrome (AIDS) if left untreated. Correct Answer A. DOE chart that provide a hospital id number, medical record number and band and labels. Explanation The correct answer is the DOE chart that provides a hospital id number, medical record number, and identification band and labels. This is the most reliable and efficient way to identify an unconscious patient in the emergency department. The chart contains essential information that can help medical staff provide appropriate care and treatment. It ensures accurate identification and prevents any confusion or errors in the patient's medical records and treatment. Correct Answer A. Advise the patient that you understand their concern, and document the declined procedure and notify the nurse Explanation The correct answer is to advise the patient that you understand their concern, and document the declined procedure and notify the nurse. This is the appropriate response because it respects the patient's autonomy and their right to make decisions about their own medical treatment. By acknowledging their concerns and documenting the declined procedure, it ensures that there is a record of the patient's decision and that the appropriate healthcare professionals are notified. This allows for proper communication and continuity of care for the patient. Correct Answer Explanation When entering in the arm, the bevel should be facing upwards. This is because the bevel is the slanted edge of a needle or tube, and it is designed to make it easier for the needle or tube to penetrate the skin. By facing the bevel upwards, it allows for a smoother entry into the arm, reducing discomfort and potential damage to the veins. Additionally, it helps to ensure that the needle or tube is properly aligned with the blood vessel, allowing for more accurate and efficient delivery or extraction of fluids. Correct Answer Explanation The correct answer is "Nothing By Mouth" because NPO is a medical abbreviation used to indicate that a patient should not consume any food or drink orally. This is often done before a medical procedure or surgery to ensure that the patient's stomach is empty and reduce the risk of complications during the procedure. Correct Answer A. Wash exposed area thoroughly with hot water, using antibacterial soap for 15 minutes. Report incident to your manager or supervisor ASAP. Complete the exposure incident form Explanation The correct response to piercing your index finger with a used needle is to wash the exposed area thoroughly with hot water, using antibacterial soap for 15 minutes. After that, you should report the incident to your manager or supervisor as soon as possible and complete the exposure incident form. This is the appropriate course of action to prevent infection and ensure that the incident is properly documented and addressed. Correct Answer Explanation The correct answer is "profile or panel" because when a group of tests is ordered as one, it is commonly referred to as a profile or a panel. These terms are used in medical settings to describe a collection of laboratory tests that are ordered together to provide a comprehensive evaluation of a patient's health or to diagnose a specific condition. The terms "pinhead" and "petiti" are not commonly used in this context and do not accurately describe a group of tests ordered as one. Correct Answer Explanation The additive in a Lt. Blue top tube is Sodium Citrate. Sodium Citrate is commonly used as an anticoagulant in blood collection tubes. It helps prevent the blood from clotting by binding to calcium ions, which are necessary for the clotting process. This allows the blood to remain in a liquid state for further testing or analysis. Sodium Citrate is specifically used in Lt. Blue top tubes for coagulation studies, such as prothrombin time (PT) and activated partial thromboplastin time (aPTT) tests. Correct Answer A. Constrictive band used for venipuncture, blood aspiration and intravenous injections Explanation The correct answer is "Constrictive band used for venipuncture, blood aspiration and intravenous injections." This answer accurately describes the purpose and use of a tourniquet. It is a constrictive band that is applied to a limb to temporarily stop or slow down the flow of blood, making it easier to locate and access veins for procedures such as venipuncture, blood aspiration, and intravenous injections. Correct Answer A. Wear appropriate PPE, close the lid, hand-carry to the nearest medical waste accumulated pickup container, be sure the container is lined with a RED biohazard bag. Fill out the Medical Waste Accumulated log. Remove your gloves and WASH YOUR HANDS! Explanation The appropriate response when the Sharps container is overflowing is to wear appropriate PPE, close the lid, hand-carry it to the nearest medical waste accumulated pickup container, ensuring that the container is lined with a RED biohazard bag. Then, fill out the Medical Waste Accumulated log, remove your gloves, and wash your hands. Correct Answer Explanation The brachial vein is commonly used for venipuncture in adults due to its accessibility and size. It is located in the upper arm and is often selected for blood collection because of its relatively large diameter, which makes it easier to insert a needle and withdraw blood. Explanation Lavender Tubes contain EDTA, which stands for ethylenediaminetetraacetic acid. EDTA is an anticoagulant that prevents blood from clotting by binding to calcium ions, which are necessary for the coagulation process. This type of tube is commonly used for hematology tests, such as complete blood count (CBC), as it preserves the blood cells and prevents clotting during transportation and analysis. Correct Answer Explanation Blood cultures are drawn to identify microorganisms in the bloodstream. This is done to detect and diagnose infections caused by bacteria, fungi, or other pathogens that may be present in the blood. By culturing a sample of the patient's blood, healthcare professionals can identify the specific microorganisms causing the infection and determine the most appropriate treatment. Correct Answer A. Infectious microorganisms that can be classified into four groups: Viruses Bacteria Fungi Parasite Explanation The correct answer is infectious microorganisms that can be classified into four groups: viruses, bacteria, fungi, and parasites. This answer accurately identifies the four groups of infectious microorganisms. Viruses are small infectious agents that can only replicate inside the cells of living organisms. Bacteria are single-celled microorganisms that can cause various infections. Fungi are a group of organisms that includes yeasts, molds, and mushrooms, and can cause infections in humans. Parasites are organisms that live on or inside a host organism and rely on the host for survival. Correct Answer Explanation Yes, all the time. Under a patient's bill of rights, patients have the right to refuse or decline medical treatment, even if they are ill. Patients have the autonomy to make decisions about their own bodies and healthcare, and this right is protected by laws and ethical principles. Therefore, patients can choose to decline medical treatment if they wish to do so. Correct Answer A. Centers for Disease Control and Prevention Explanation The correct answer is "Centers for Disease Control and Prevention." This is the correct answer because the acronym CDC stands for Centers for Disease Control and Prevention. The organization is responsible for protecting public health and safety by preventing and controlling diseases, injuries, and disabilities. Correct Answer Explanation The Lt. Blue tube is used to perform tests for PTT (Partial Thromboplastin Time) and PT (Prothrombin Time). These tests are used to evaluate the clotting ability of the blood and to monitor the effectiveness of anticoagulant therapy. Correct Answer A. Release of medical records without the patient's knowledge and permission Explanation The correct answer is "Release of medical records without the patient's knowledge and permission." This option indicates a violation of privacy by releasing medical records without the patient's consent or awareness. It suggests that someone has accessed and shared the patient's medical information without their authorization, which is a breach of confidentiality and an invasion of privacy. Correct Answer A. Fever Of Unknown Origin Explanation The correct answer is "Fever Of Unknown Origin." This term refers to a medical condition where a person has a persistent fever, but the cause of the fever cannot be determined. It is a diagnosis of exclusion, meaning that other possible causes of the fever have been ruled out through various tests and examinations. This condition can be challenging to diagnose and may require further investigation to determine the underlying cause. Correct Answer Explanation During a venipuncture, a tourniquet is applied to the arm to restrict blood flow and make the veins more visible. However, leaving the tourniquet on for too long can cause discomfort and lead to complications such as hemoconcentration. Therefore, it is recommended to keep the tourniquet on for a maximum of 1 minute to minimize any potential risks while still achieving the desired effect of enhancing vein visibility. Correct Answer Explanation Hematuria refers to the presence of blood in the urine. It is a condition that can be caused by various factors, such as urinary tract infections, kidney stones, bladder or kidney infections, or even certain medications. Blood in the urine can sometimes be visible to the naked eye, appearing pink, red, or brown, or it may only be detected through a microscopic examination. It is important to identify the underlying cause of hematuria, as it can be a sign of a more serious condition, such as kidney disease or bladder cancer. Correct Answer Explanation Capillary samples are collected normally from the middle or ring finger. This is because these fingers have an adequate blood supply and are easily accessible for collecting small amounts of blood. The capillary samples are commonly used for various diagnostic tests, such as blood glucose monitoring or blood gas analysis. Correct Answer A. Reduce the risk of airborne transmission of infectious agents Explanation Airborne precautions are measures taken to minimize the risk of transmission of infectious agents through the air. These precautions aim to reduce the spread of pathogens that can be transmitted through respiratory droplets or dust particles in the air. By implementing measures such as wearing personal protective equipment, using isolation rooms with specialized ventilation systems, and following proper infection control practices, the risk of airborne transmission can be significantly reduced. Correct Answer Explanation If a patient is on an aspirin regimen, their clotting time would be most affected. Aspirin is a blood-thinning medication that inhibits the aggregation of platelets, which are responsible for clot formation. Therefore, the clotting time would be prolonged in patients taking aspirin regularly, as it takes longer for their blood to clot. This can have implications for surgery or any situation where clotting is necessary to prevent excessive bleeding. Correct Answer A. An inanimate object that transports microorganisms Explanation A fomite is an inanimate object that can transport microorganisms. It can include everyday items such as doorknobs, cell phones, or clothing, which can become contaminated with pathogens. These pathogens can then be transmitted to other individuals who come into contact with the contaminated object. Fomites play a significant role in the spread of infectious diseases, and proper hygiene practices, such as regular hand washing and disinfection of surfaces, are essential in preventing their transmission. Correct Answer Explanation The pink tube is used for blood banking. Blood banking involves the collection, testing, processing, and storage of blood and blood components for transfusion. The pink tube is specifically used for collecting samples for blood banking purposes, such as cross-matching and antibody screening. This tube contains an anticoagulant called EDTA, which helps prevent the blood from clotting and allows for accurate testing and storage. Correct Answer A. To draw multiple tubes during a venipuncture on the same patient Explanation A multi-draw needle is used to draw multiple tubes on the same patient during a venipuncture. This means that instead of using a separate needle for each tube, the multi-draw needle allows for multiple tubes to be collected using a single needle insertion. This can help save time and minimize discomfort for the patient. Correct Answer A. Abnormally high blood sugar levels Explanation Abnormally high blood sugar levels, also known as hyperglycemia, occur when there is an excessive amount of glucose in the bloodstream. This can happen due to various reasons such as insufficient insulin production, insulin resistance, or certain medical conditions. Hyperglycemia can lead to symptoms such as increased thirst, frequent urination, fatigue, and blurred vision. If left untreated, it can cause serious complications such as diabetic ketoacidosis. Therefore, abnormally high blood sugar levels are a correct explanation for hyperglycemia. Correct Answer Explanation The PT & PTT tests are drawn from a light blue tube. This specific type of tube is used to collect blood samples for coagulation tests, such as prothrombin time (PT) and partial thromboplastin time (PTT). The light blue color of the tube indicates that it contains sodium citrate, an anticoagulant that prevents the blood from clotting. This allows for accurate testing of the blood's clotting ability and helps diagnose and monitor conditions related to blood clotting disorders. Correct Answer A. Inflammation of a vein as a result of repeated venipuncture on that vein Explanation The correct answer is "Inflammation of a vein as a result of repeated venipuncture on that vein." Phlebitis refers to the inflammation of a vein, and it is commonly caused by repeated venipuncture, which is the puncture of a vein for the purpose of drawing blood or administering medication. This repeated trauma to the vein can lead to inflammation and subsequent phlebitis. Correct Answer A. Giving the patient adequate information concerning the method, risk and consequences to a specific procedure. Expected outcome and alternatives Explanation This answer is correct because informed consent involves providing the patient with sufficient information about the procedure, including the method, risks, and consequences. It also includes discussing the expected outcome and any alternatives to the procedure. This ensures that the patient has a clear understanding of the procedure and can make an informed decision about their healthcare. Correct Answer Explanation Sclerosed veins are described as hard and cord-like. This means that the veins have become hardened and have a rope-like texture. This can occur due to various factors such as aging, inflammation, or damage to the blood vessels. The hardening of the veins can lead to symptoms such as pain, swelling, and a feeling of heaviness in the affected area. Treatment options for sclerosed veins may include lifestyle changes, compression stockings, or medical procedures to remove or close off the affected veins. Correct Answer A. Abnormally low sugar level Explanation The correct answer is "Abnormally low sugar level." Hypoglycemia refers to a condition where the blood sugar levels drop below normal. This can occur due to various factors such as excessive insulin production, certain medications, or underlying health conditions. When the sugar level in the blood is too low, it can lead to symptoms like dizziness, confusion, weakness, and in severe cases, loss of consciousness. It is important to address hypoglycemia promptly to prevent complications and maintain proper blood sugar balance. Correct Answer A. Standard precautions and transmission-based precautions Explanation In healthcare, there are two main levels of precautions to prevent the spread of infections: standard precautions, which apply to the care of all patients regardless of their infection status, and transmission-based precautions, which are additional measures taken when dealing with patients known or suspected to be infected with highly transmissible or epidemiologically significant pathogens. Correct Answer Explanation Sodium citrate is commonly used as an anticoagulant in blood collection tubes. The light blue tube is specifically designed for coagulation tests, as it contains sodium citrate as the anticoagulant. Sodium citrate prevents the blood from clotting by binding to calcium ions, thus allowing accurate testing of coagulation factors. Therefore, the correct tube color for sodium citrate is light blue. Correct Answer A. The method in which an infectious agent leaves it's reservoir Explanation The correct answer is "the method in which an infectious agent leaves its reservoir." The portal of exit refers to the route or method by which an infectious agent, such as a virus or bacteria, leaves its reservoir, which is the site where it normally resides and multiplies. This can include various ways such as respiratory droplets, bodily fluids, or direct contact with infected tissues. Understanding the portal of exit is crucial in preventing the spread of infectious diseases and implementing appropriate control measures. Explanation A person can donate 500 ml of blood in one sitting. This is the standard amount of blood that is usually donated during a single blood donation session. Donating this amount of blood is considered safe and does not have any significant negative effects on the donor's health. It is important to ensure that the donor is in good health and meets the necessary eligibility criteria before donating blood. Correct Answer Explanation Allergic reactions are physical reactions that occur when the immune system overreacts to a harmless substance, such as pollen or certain foods. These reactions can range from mild symptoms like sneezing and itching to severe symptoms like difficulty breathing and anaphylaxis, which can be life-threatening. Therefore, the correct answer is physical reaction. Correct Answer A. Excessive water between tissue Explanation Edema refers to the accumulation of excessive fluid in the body's tissues, causing swelling. This excess fluid can be caused by various factors such as injury, inflammation, or an underlying medical condition. When there is an imbalance in the fluid levels, fluid can accumulate in the tissues, leading to edema. Therefore, the correct answer is "Excessive water between tissue." Correct Answer A. Allows the infectious agent access to the susceptible host Explanation A port of entry refers to a location or point where an infectious agent can gain access to a susceptible host. This could be through various means such as physical contact, ingestion, inhalation, or transmission through vectors. The term "port of entry" is commonly used in the context of disease transmission and public health, highlighting the importance of identifying and understanding how pathogens enter the human body in order to prevent and control the spread of infections. Correct Answer Explanation A CBC (Complete Blood Count) is a common blood test that provides information about the different types of cells in the blood, such as red blood cells, white blood cells, and platelets. Hematology is the branch of laboratory medicine that specializes in the study of blood and blood disorders. Therefore, it is the section of the lab that would process a CBC. Correct Answer A. Always done before blood donation Explanation Hematocrit is always done before blood donation to determine the percentage of red blood cells in the blood. This is important because the hematocrit level needs to be within a certain range for the donor's safety and to ensure the quality of the donated blood. By measuring the hematocrit level, healthcare professionals can assess if the donor is eligible to donate blood and if their blood volume is sufficient for donation. Correct Answer A. Health care setting acquired infections Explanation A nosocomial infection refers to an infection that is acquired in a healthcare setting. This means that the infection is contracted while a person is receiving medical care in a hospital, clinic, or any other healthcare facility. These infections are often caused by bacteria, viruses, or other pathogens that are present in the healthcare environment. It is important to prevent and control nosocomial infections to ensure patient safety and reduce the spread of infections within healthcare settings. Quiz Review Timeline (Updated): Mar 28, 2025 + Our quizzes are rigorously reviewed, monitored and continuously updated by our expert board to maintain accuracy, relevance, and timeliness. Mar 28, 2025 Quiz Edited byProProfs Editorial Team Expert Reviewed byAmanda Nwachukwu