https://selldocx.com/products/test-bank-hematology-in-practice-3e-by-betty-ciesla

Chapter 1. Introduction to Hematology and Basic Laboratory Practice

Multiple Choice

- 1. Tube length when referring to the microscope is the:
- A. Resolution power of the objective
- B. Distance from the eyepiece to the objective
- C. Numerical aperture
- D. Magnitude of the image on the stage

ANS: B OBJ: 1.3

- 2. What is the **most** useful corrective action for the microscope when fine details cannot be visualized in immature cells?
- A. Open up the diaphragm for maximum light.
- B. Wipe off lenses with lens cleaner.
- C. Get a new slide.
- D. Move to a lower power.

ANS: A OBJ: 1.4

- 3. Which of the following behaviors is a violation of standard precautions?
- A. Hand washing after glove removal
- B. Use of impermeable laboratory gowns
- C. Use of goggles and face shields
- D. Placing laboratory notebooks on laboratory work area

ANS: D OBJ: 1.5

- 4. Standards and calibrators differ from control materials because:
- A. An exact amount of analyte is present in a standard or calibrator
- B. A variable amount of analyte is present depending on patient samples
- C. Standards only need to be within a target range

D. Standards are run to the best estimate of the known value

ANS: A OBJ: 1.7

- 5. Which of the following is involved in the study of hematology and used to determine sickness and health?
- A. Quantity of cells
- B. Cellular structure
- C. Cellular function
- D. All of the above

ANS: D OBJ: 1.1

- 6. Proper mixing of samples and timely delivery of samples to the laboratory are both examples of:
- A. Delta checks
- B. Postanalytic variables
- C. Preanalytic variables
- D. Reflex testing

ANS: C OBJ: 1.8

- 7. A delta check is a historical reference on samples run in the laboratories. Once a sample fails a delta check, the most obvious corrective action is to:
- A. Verify the identification of the patient sample
- B. Reestablish the parameters of the delta check
- C. Perform reflex testing
- D. Perform a manual method

ANS: A

- 8. Which of the following is the definition of a reference interval?
- A. A solution of a known amount of analyte
- B. Materials analyzed concurrently with unknown samples
- C. Values established for a particular analyte, given a method, instrument, or patient population

D. Validation techniques on flagged samples

ANS: C OBJ: 1.8

- 9. Which of the following is *not* considered a postanalytic variable?
- A. Delta checks
- B. Proper anticoagulant used
- C. Specimen checked for clots
- D. Calling critical results

ANS: B OBJ: 1.8

- 10. Error analysis, standard protocols, and turnaround time are all part of the:
- A. Quality assurance system
- B. Quality control program
- C. Reference standards
- D. Delta check protocol

ANS: A OBJ: 1.7

- 11. The average of a group of data points is defined as the:
- A. Mean
- B. Mode
- C. Median
- D. Modicum

ANS: A OBJ: 1.7

- 12. Safety training is part of new employee training in health care and includes:
- A. Biological hazards
- B. Chemical hazards
- C. Environmental hazards
- D. All of the above

ANS: D OBJ: 1.6

- 13. When viewing a slide with the 50× objective lens, the total magnification being used is:
- A. $50 \times$
- B. 100×
- C. 500×
- D. 5000×

ANS: C OBJ: 1.3

- 14. Delta checks are used in the hematology laboratory to:
- A. Compare past patient results with the current result
- B. Verify control accuracy
- C. Establish a target range
- D. Establish reference ranges for a particular analyte

ANS: A OBJ: 1.8

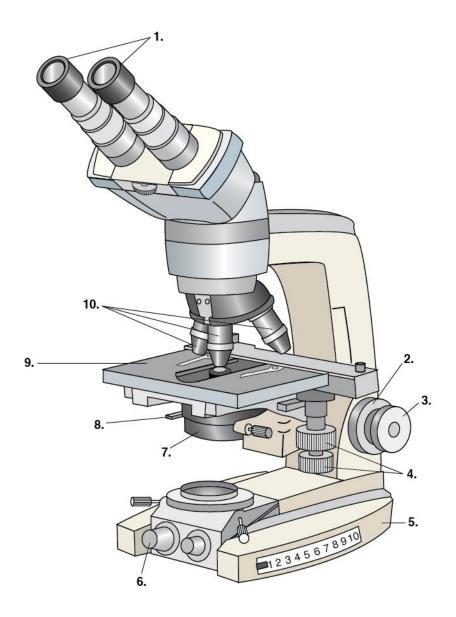
- 15. When hand washing after a patient contact, the soap application process should last at least:
- A. 5 seconds
- B. 15 seconds
- C. 20 seconds
- D. 30 seconds

ANS: B OBJ: 1.6

- 16. Which of the following represents an example of a safety violation in the laboratory?
- A. Application of cosmetics
- B. Mouth pipetting
- C. Consuming bottled water
- D. All the above

ANS: D OBJ: 1.6

True/False
17. Standard deviation is a measurement of precision. ANS: True OBJ: 1.7
18. Accuracy is a measurement of the true value of an analyte. ANS: True OBJ: 1.8
19. A normal distribution curve will have 99.7% of the measured values fall within 2 SDs. ANS: False OBJ: 1.7
Completion (Ordered Response)
NARRBEGIN:



NARREND

20. Label the parts of the microscope.

1
2
3
4
5
6
7
8
9
10

ANS:

NAR: Figure 1-1 OBJ: 1.2