

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
B.Sc(MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATIONS -
February 2020
Second Year
PATHOLOGY- I

Three Hours

Maximum: 75 marks

SECTION - A

I. Choose the Best Answer :

(10 x 1 = 10)

1. A suction device used to draw up liquids is a:
a. volumetric flask b. Beaker c. Erlenmeyer cylinder
d. graduated cylinder e. safety bulb
2. Cells in a hypertonic solution will:
a. swell and burst b. Dehydrate c. hemolyze
d. not be affected e. stop mitosis
3. The vacutainer tube which is used to collect and separate serum is the:
a. Red b. Green c. lavender
d. light blue e. SST
4. . What vein/veins is not used to obtain a venous blood sample:
a. basilica vein b. cephalic vein c. medial cubital vein
d. femoral vein e. veins on the back of the hand
5. The maximum depth to perform a heel puncture on a newborn is:
a. 1.5mm b. 2.0mm c. 2.4mm
d. 2.8mm e. 3.0mm
6. Which statement is false when a Gram stain is performed:
a. distilled water is used for the washing steps
b. acetone-alcohol decolorizes gram-negative bacteria
c. safranin stains the gram-negative bacteria red
d. Gram's iodine is used to bind the primary stain
7. 100ml of 20% hydrochloric acid will make how many mls of 4% hydrochloric acid:
a. 50ml b. 80ml c. 100ml
d. 500ml e. 1000ml
8. Acid phosphates is an enzyme which increases in:
a. Gout b. kidney disease c. liver disease
d. prostatic cancer e. heart disease

(p.t.o)

- 9 The function unit of the kidney is the:
a. renal cell b. renal cortex c. renal tubule
d. Bladder e. nephron
10. An immature neutrophil is called:
a. blast cell b. LE cell c. band cell
d. Reticulocyte e. packed cell

II. Write Short Answers on any FIVE of the following:

(5 x 5 = 25)

11. Preparation of smears and staining.
12. Embedding.
13. Use and care of microscope types.
14. Preparation & indication of fixatives.
15. Which are the blood parasites?
16. Write about eosinophil
17. Precaution in ABO blood grouping test.

III. Write Short Essays on any TWO of the following:

(2 x 10 = 20)

18. Laboratory safety guidelines.
19. Explain in grossing techniques.
20. Decalcification.
21. Write Rh-anti D serum test methods.

IV. Write Essays on any ONE of the following:

(1 x 20 = 20)

22. Define anemia. Discuss the classification of test for anemia.
23. Explain in detail about surgical biopsy technique.

(S.No.M22439)

