

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM**  
**B.Sc(MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATIONS -**  
**August 2019**  
**Second Year**  
**PATHOLOGY- I**

Three Hours

Maximum: 75 marks

**SECTION - A**

**I. Choose the Best Answer :**

**(10 x 1 = 10)**

1. Which piece of glassware would not give critical measurement:
  - a. volumetric flask
  - b. beaker
  - c. Erlenmeyer cylinder
  - d. graduated cylinder
  - e. safety bulb
  
2. Blood for an RBC count must be prepared from:
  - a. EDTA blood
  - b. citrated blood
  - c. heparinized blood
  - d. oxalated blood
  - e. clotted blood
  
3. Glucose results are correctly reported in:
  - a. g/mmol
  - b. mmol/L
  - c. g/L
  - d. g/ml
  - e. g/dl
  
4. Latex gloves protect the lab employee from:
  - a. accidental needle puncture
  - b. microtome injury
  - c. patient aerosols
  - d. body fluid
  - e. all of the above

(p.t.o)

5. What tube would be collected for a cross-match:
  - a. lavender
  - b. light blue
  - c. green
  - d. grey
  - e. plain red top
  
6. Which Gram stain reagent acts as a mordant to bind the stain to the bacteria:
  - a. Lugol's iodine
  - b. safranin
  - c. acetone-alcohol
  - d. Gram's iodine
  - e. crystal violet
  
7. Approximately how many centimeters are in one foot:
  - a. 3
  - b. 12
  - c. 24
  - d. 30
  - e. 100
  
8. WHMIS stands for:
  - a. worker harmful material information sheets
  - b. worker handbook on mechanical and industrial safety
  - c. workplace hazardous materials information system
  - d. workplace harmful methods and industrial security
  - e. none of the above
  
9. Pus cells or fat in urine would cause this color:
  - a. red
  - b. yellow-brown
  - c. greenish-blue
  - d. milky-white
  - e. black

10. Water free of charged particles is:
- distilled
  - radioactive
  - chlorinated
  - de-ionized
  - heavy

(p.t.o)

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

(5 x 5 = 25)

- SI units & conventional units different?
- Embedding
- Use and care of microscope ,types
- Write about section cutting of the tissue?
- Write about eosinophil
- Write the actions of vitamin K
- Write about the types of microtone knives?

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

(2 x 10 = 20)

- Sickling test
- Bio-medical waste management?
- Dehydration/body fluids?
- CSF examination

**IV. Write Essays on any ONE of the following:**

(1 x 20 = 20)

- Explain detail about preparation of staining of blood?  
Morphology of RBC &WBC /differential count
- Describe the various steps of histopathology methods of biopsy tissue?

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(S.No.M21740)





