

20. (a) Write down the various steps in thyroid Test.

Or

- (b) Estimation of proteins from blood.

SECTION C — ( $3 \times 10 = 30$ )

Answer any THREE questions.

21. Enumerate the quality control in laboratory works.
22. Give detailed account on analysis of sputum.
23. Enumeration and Investigation of RBC, WBC and Platelets.
24. Brief blood and plasma collection.
25. Estimation of sugar from blood and Urine.
- \_\_\_\_\_

**S.No. 6935**

**P 22 MBVAC 1**

(For candidates admitted from 2022 – 2023 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Microbiology — Value Added Course

**MEDICAL LABORATORY TECHNOLOGY**

Time : Three hours

Maximum : 75 marks

**SECTION A — (20 marks)**

Answer ALL questions.

- I. (A) Multiple choice questions : ( $5 \times 1 = 5$ )
1. \_\_\_\_\_ solution is resisted to pH
- (a) Buffer (b) Acid
- (c) Basic (d) Neutral
2. \_\_\_\_\_ is a method of preparation of thin section
- (a) Microtomy (b) Mounting
- (c) Maceration (d) All the above
3. Diagnostic lab test for HIV is \_\_\_\_\_
- (a) ELISA (b) Western blotting
- (c) WIDAL (d) All the above

4. HDL test is used for estimation of amount of

- (a) Protein                      (b) Lipid  
(c) Cholesterol                (d) Carbohydrates

5. Cervical cancer is found out through

- (a) PSA test                      (b) PAP test  
(c) Both (a) and (b)        (d) None of the above

(B) Fill in the blanks :                      (5 × 1 = 5)

6. All enzymes are \_\_\_\_\_

7. The normal range of urine pH is \_\_\_\_\_

8. WIDAL test used to diagnosis \_\_\_\_\_

9. Bilirubin blood test used to check the health of

10. Calcitonin produced by \_\_\_\_\_

II. Answer ALL questions.                      (5 × 2 = 10)

11. What is Aqueous solution?

12. What is meant diabetes mellites?

13. What is the normal level of CRP?

14. What is the normal level of glucose?

15. Write the types of medical waste?

## SECTION B — (5 × 5 = 25)

Answer ALL questions choosing either (a) or (b).

16. (a) Write short notes on

- (i) buffer solution  
(ii) Base  
(iii) Vitamins.

Or

(b) Write down the units for measurements of

- (i) Drugs  
(ii) Hormones  
(iii) Vitamins

17. (a) Differentiate between Hyperglycaemia and Flypoglycaemia.

Or

(b) Write an essay about body fluids.

18. (a) Point out the various steps in diagnostic test in hepatitis.— B.

Or

(b) Differentiate between SA test and CPR test.

19. (a) How can you estimate serum?

Or

(b) How can you find out malarial infection?