

**C. ABDUL HAKEEM COLLEGE (AUTONOMOUS),
MELVISHARAM - 632 509.
SEMESTER EXAMINATIONS, APRIL - 2018**

B.Sc., ZOOLOGY

SEMESTER VI

U15SZL601 – MEDICAL LABORATORY TECHNIQUES (SBS – IV)

Time: Three Hours

Maximum: 60 Marks

SECTION - A (10 X 1 = 10 Marks)

Answer **ALL** Questions.

Explain/Define the Following:

1. Spectrophotometer.
2. Centrifuge.
3. Rh factor.
4. Blood transfusion.
5. *Vibrio cholerae*.
6. Poliomyelitis.
7. Metabolic waste.
8. Sputum.
9. CSF.
10. XX/XY sex chromosomes.

SECTION - B (5 X 4 = 20 Marks)

Answer **ALL** Questions.

11. a) State the importance of first aid in a medical microbiology laboratory.
(Or)
b) Write a note on the two main systems of refrigerators.

12. a) Write the calculation of Leucocyte count.

(Or)

- b) Write down the basic principles of blood transfusions.

13. a) Briefly enumerate any two tests done for diagnosis of Typhoid fever.

(Or)

- b) Write a short note on the laboratory diagnosis of Tuberculosis.

14. a) Define the pregnancy test i) hCG Method ii) Gravindex method.

(Or)

- b) Enumerate two common stool protozoan parasites of tropical countries.

15. a) Describe the code of Ethics to be followed by a laboratory technician.

(Or)

- b) What is amniocentesis and how it is performed?

SECTION - C (3 X 10 = 30 Marks)

Answer **ANY THREE** Questions.

16. Write an essay on the sterilization methods.
17. Write the chart of blood grouping with diagram.
18. Write about pathogenicity of *Entamoeba histolytica*.
19. Write about microscopical examination of urine with neat diagram.
20. Describe the semen analysis and add a note on abnormal sperms.
