MODEL QUESTION PAPER

Semester V

(Skill Enhancement Course- Elective)

PAPER-6B: Laboratory Techniques and Diagnostics

(w.e.f. 2024-25)

Time : 3 Hours Max. Marks : 60

SECTION-A

[5X8=40M]

(Answer all the questions. Each question carries 8 marks)

1. (a) Write an essay on Laboratory safety and hygiene.

(or)

(b) Write in detailed note on sterilization and preparation of reagents.

2. (a) Write an essay on working principle of Electron microscope.

(or)

(b) Write the working principle and instrumentation of Laboratory centrifuge.

3. (a)Write a detailed note on collection and preservation of urine.

(or)

(b)Write an essay on microbial culture of urine.

4. (a) Write an essay on specimen collection and inspection of faeces.

(or)

(b) Write an essay on microscopic examination of stool specimen.

5. (a) How do you estimate Haemoglobin percentage by Sahli's method.

(or)

(b)Write an essay on total and differential count of WBC.

SECTION -B [5X4=20M]

(Answer any five questions. Each question carries 4 marks)

6. First aid and precautions.
7. Quality control.
8. Incubator.
9. Normal and abnormal constituents of urine.
10. Physical examination of urine.
11. Test for fecal fat.
12. ESR.
13. ABO system.

Question Paper Model For Practical Examination

Semester – V/ Biochemistry Course – 6 A (Skill Enhancement Course)

BCP-6B: LABORATORY TECHNIQUES AND DIAGNOSTICS

Max. Time: 3 Hrs. Max. Marks: 50

1. Estimate the amount of Hemoglobin by Shale's method 20 M
2. Write the principle ,procedure for Blood grouping 10M
3. Write the principle /procedure for following Practicals 5 M
   a) ESR b) Total count of RBC
4. Scientific Identification of spotters 5 x 1 = 5 M

A. Centrifuge
B. Colorimeter
C. light microscope
D. Neubauer chamber
E. RBC Pipette

5. Record + Viva-voce 5+5 = 10 M