

2022

1st Semester Examination

**BIOMEDICAL LABORATORY  
SCIENCE AND MANAGEMENT**

Paper : BMLSM 103

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

**Group - A**

Answer any *four* of the following :      2×4=8

1. What is dynamic function test ?
2. What is cholestasis ?
3. Write the normal value of blood urea in adult male and female.
4. What is macroamylasemia ?
5. What is myocardial infarction ?
6. Name any two important parameters of Kidney function test.

P.T.O.

**Group - B**

Answer any *four* of the following :  $4 \times 4 = 16$

7. Write the principle and procedure of protein-free blood filtrate preparation. 1+3
8. Write briefly the pentagastrin stimulation test of gastric function. 4
9. Write the procedure of determination of blood glucose level. 4
10. What is free acidity ? Write the procedure of gastric acidity measurement. 1+3
11. Write a short note about carbon monoxide toxicity. 4
12. Write the urine processing for biochemical analysis. Name any two conditions when serum lipase level is elevated. 2+2

**Group - C**

Answer any *two* of the following :  $8 \times 2 = 16$

13. Write the different steps of venipuncture technique. Discuss briefly about the commoner causes of errors arising in the biochemistry laboratory. 4+4
14. What are the purpose of liver function test ? Classify the liver function test. Write schematically the bilirubin metabolism. Write the normal total bilirubin level in adult male. 2+2+3+1

15. Name any two cardiac specific marker. How these markers levels are altered in myocardial infarction?

3+5

16. Discuss briefly the different components of UV-spectrophotometer. Write any two advantages of double-beam spectrophotometer.

6+2

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