

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

WARANGAL, TELANGANA STATE – 506 002

B.Sc. (MLT) SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS: AUGUST, 2024

BIOCHEMISTRY- I

Time: 3 Hours.

Max Marks: 80

Note: Answer all questions

Give Diagrammatic representation wherever necessary.

Write an essay on any TWO of the following:

2 X 10 = 20

1. What is the quantitative method to estimate urea, describe in details?
2. Classify carbohydrates. Give examples, importance.
3. What is Flame photometry, principle components and applications?

Write a short note on any SIX of the following:

6 X 5 = 30

4. Secondary and tertiary structure of proteins and give examples.
5. What is glycolysis and describe in detail its importance?
6. Atomic absorption spectrophotometer Components and applications.
7. Name the method to estimate serum creatinine in detail.
8. What is turbidimetry and its applications?
9. Classify lipids and give examples.
10. What are the conditions in which blood urea level is increased?
11. What are the laws of absorption? What are the factors affecting wavelength?

Write briefly on the following:

10 X 3 = 30

12. What are percent solutions prepare 5% NaCl?
13. Graduated pipette.
14. Hot air oven.
15. Derived lipids - give examples.
16. Qualitative screening test for urine glucose (strip test)
17. Maintenance of glassware in the laboratory.
18. What is the good cholesterol and its value?
19. Disaccharides.
20. What is the difference between different renal clearance tests?
21. What is the normal total cholesterol level it's importance?
