

QP Code: 402020

Reg. No.....

**Fourth Year B.Sc. Medical Biochemistry Degree Regular/Supplementary
Examinations August 2019**

Diagnostic Biochemistry and Laboratory Management

Time: 3 Hours

Total Marks: 80

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays

(2x15=30)

1. Discuss the pre analytical variables that can affect estimation of blood glucose. Add a note on the quality control programmes in the clinical chemistry laboratory.
2. Discuss the renal function tests and their clinical significance

Short Notes

(6x5=30)

3. Classify tumour markers. Describe the role of any two enzymes as tumour markers.
4. Cardiac markers.
5. Describe the blood and urine findings in obstructive jaundice.
6. Dry chemistry analysers.
7. Tests of endocrine pancreatic function.
8. Disposal of Laboratory wastes

Answer Briefly

(10x2=20)

9. Define automation in clinical biochemistry laboratory.
10. Clinical significance of gamma glutamyl transferase.
11. Define clearance. What is the normal creatinine clearance value.
12. Define precision. What is its significance.
13. Urine osmolality.
14. Schilling test.
15. Lundh test.
16. Radio isotope studies in thyroid function.
17. Define free acidity.
18. Prothrombin time
