

QP Code: 312020

Reg. No.....

Third Year B.Sc. Medical Biochemistry Supplementary Examinations

October 2021

Clinical Biochemistry

(2016 Scheme)

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay

(2x15=30)

1. Define hyperlipidaemia. Discuss the causes, complications, laboratory diagnosis and management of hyperlipidaemia
2. Discuss the mechanism of regulation of water and electrolyte balance in the body. Add a note on the disorders associated with

Short Essay

(2x10=20)

3. Enumerate the non-protein nitrogenous substances in blood. Describe the methods of estimation of any two
4. List the diagnostic criteria for the diagnosis of diabetes mellitus. Describe the laboratory monitoring of a diabetic patient

Short Answers

(6x5=30)

5. Renal regulation of acid base balance
6. Phase II detoxification reactions
7. Separation of plasma proteins
8. Metabolism of ethanol
9. Hypoglycemia
10. Therapeutic drug monitoring

Comment on

(10x2=20)

11. Anion gap
12. Transport proteins
13. AG ratio
14. Fructosamine
15. Lipotropic factors
16. Inorganic constituents of urine
17. Alkali reserve
18. Alpha 1 antitrypsin
19. Microalbuminuria
20. Cytochrome P450
