

QP Code: 312020

Reg. No.....

Third Year B.Sc. Medical Biochemistry Supplementary Examinations
March (November), 2020

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. Classify diabetes mellitus. Describe metabolic derangements in diabetes mellitus. Add a note on glucose tolerance test.
2. Describe plasma proteins and their functions. Add a note on protein electrophoresis.

Short Essay

(2x10=20)

3. What is normal blood glucose level. How is it regulated.
4. Describe the transport and fate of exogenous lipids. Add a note on hyperlipoproteinemias.

Short Answers

(6x5=30)

5. Renal regulation of pH
6. Blood buffers
7. Respiratory alkalosis.
8. Low density lipoproteins
9. Metabolism of ethanol. Add a note on the toxic effects of ethanol.
10. Phase 2 detoxification reactions

Comment on

(10x2=20)

11. Antioxidants
12. Assessment of acid base status
13. Chloride shift
14. Multiple myeloma
15. Hypokalemia
16. Alkali reserve
17. Different methods of estimation of urea
18. Hypoalbuminemia
19. Lipotropic factors
20. Role of CytP450 in detoxification reactions
