

QP Code: 311020

Reg. No.....

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

Metabolism II
(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. Discuss the chemistry, synthesis and functions of thyroid hormones. Add a note on the disorders associated with and their laboratory evaluation
2. Discuss the functions of calcium and the regulation of its plasma levels. Describe the methods of estimation of serum calcium

Short Essay

(2x10=20)

3. Discuss the role of diet in the management of diabetes mellitus
4. Describe heme biosynthesis and disorders associated with it

Short Answers

(6x5=30)

5. Obesity
6. Antivitamins
7. Formation and excretion of bilirubin
8. Preservatives and adulterants in food
9. Describe the synthesis of VMA
10. Biochemical functions of vitamin E

Comment on

(10x2=20)

11. Dietary fiber
12. FIGLU excretion test
13. Biochemical functions of copper
14. Formation of progesterone
15. Scurvy.
16. Biochemical role of iodine
17. Biological value of proteins
18. Insulin
19. Methhemoglobin
20. Oxygen dissociation curve
