

QP Code: 311020

Reg. No.....

**Third Year B.Sc. Medical Biochemistry Regular/Supplementary
Examinations April 2022
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. Biochemical role of epinephrine and the mechanism of its hormone action
2. Functions and deficiency manifestations of Vitamin A and Vitamin D

Short Essay

(2x10=20)

3. Catabolism of heme in the body
4. Principles followed for prescription of diet for normal and diabetic persons

Short Answers

(6x5=30)

5. Role of HDL and LDL cholesterol in atherosclerosis
6. Respiratory quotient
7. jaundice
8. Estrogen disorders
9. Gamma carboxylation
10. How do aldosterone and ADH work together in water and electrolyte balance

Comment on

(10x2=20)

11. UDP-glucuronyl transferase
12. Goitrogens
13. ALA synthase
14. Glycemic index
15. TIBC
16. Menke's kinky hair syndrome
17. Intrinsic factor of Castle
18. Hormone Response Elements (HRE)
19. van den Bergh reaction
20. Bronze diabetes
