

M.Sc. [Medical Biochemistry]

(BF/2023/12)

Clinical Biochemistry and Medical Statistics

[Paper - IV]

M.M. : 100

Time : 3 Hours

- Note:** 1.) *Attempt all questions.*
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED*
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*
4.) *Illustrate your answers with suitable diagrams.*

1. Differentiate [5×2=10]
a. Kwashiorkor and Marasmus
b. Intrinsic and Extrinsic pathway of coagulation
2. Discuss the causes, compensatory mechanisms and diagnosis of metabolic alkalosis. [10]
3. List the types and biochemical basis of jaundice. [10]
4. Write notes on [5×2=10]
a. Micro vascular complications of diabetes
b. Causes of hyperlipidemia and hypolipidemic drugs
5. Discuss the post-analytical errors in laboratory and how they can be controlled. [10]
6. Discuss the factors regulating enzymes activity. List the mechanisms of enzymes action. [10]
7. Discuss the regulation of copper metabolism. [10]
8. Write a note on. [5×2=10]
a. Plasma proteins
b. DNA application
9. Write briefly about [5×2=10]
a. Pellagra
b. Wernicke korsakoff syndrome.
10. Write the cause and clinical features of iodine deficiency. [10]
