Reg. No. | | | | | | | | | |

# BCH 452

## II Semester M.Sc. Degree Examination, September/October 2022
## (CBCS Scheme)
## BIOCHEMISTRY
## Clinical Biochemistry

Time : 3 Hours Max. Marks : 70

1. Answer **ten** of the following questions. **(10×2=20)**

   a) Define Rh factor.

   b) Define Haematopoiesis.

   c) What is Nephritis ?

   d) Write a note on Steatorrhea.

   e) What is meant by galactosemia ?

   f) What are gall stones ?

   g) Define ketosis.

   h) Give the molecular basis for phenylketonuria.

   i) Write the role of glycated hemoglobin.

   j) What is angiogenesis ?

   k) Differentiate between hepatitis A and B.

   l) Why LDL is bad cholesterol ?

Answer **any five** of the following : **(5×10=50)**

2. a) Describe the mechanism of blood coagulation. **(5×2=10)**

   b) Discuss in detail the significance of diagnostic marker enzymes of liver.

3. a) Give a detailed account on management and laboratory investigation of diabetes mellitus. **(5×2=10)**

   b) Explain in detail the kidney function tests.

4. a) Discuss the inborn error metabolism of amino acids with an example. **(5×2=10)**

   b) Explain the pathogenesis, diagnosis and risk factors involved in atherosclerosis.

5. a) Describe the pathophysiology of jaundice in detail. **(5×2=10)**

   b) Give an account on the glycogen storage disorders.

6. a) Give an account on thalassemia. **(5×2=10)**

   b) Discuss on malabsorption syndrome.

7. a) Explain the role of plasma lipoproteins. **(5×2=10)**

   b) Describe the biochemical composition and functions of CSF.

8. a) Discuss the risk factors and pathogenesis of kidney stones. **(5×2=10)**

   b) Illustrate the risk factors, causes and pathogensis of CVD.

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