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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.

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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 pathogenesis of CVD.
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