

**B.Sc. IN MEDICAL LABORATORY TECHNOLOGY  
(BSCMLT)**

**Term-End Examination**

**December, 2017**

**BAHI-005 : CLINICAL BIOCHEMISTRY**

*Time : 3 hours*

*Maximum Marks : 70*

*Note : (i) Attempt any six questions.*

*(ii) Question no. 7 is compulsory.*

1. Define carbohydrate and explain GOD - POD test for blood glucose estimation. **10**
2. Write enzyme tests done in viral hepatitis. Explain in detail ONE enzyme test which is significantly elevated in viral hepatitis and write sample value. **10**
3. List the various functions of the kidney. Write excretory function tests of the kidney and its significance. **10**
4. How will you perform serum protein electrophoresis in the laboratory and draw electrophoretic pattern in a normal case ? **10**
5. (a) What are the different types of jaundice and how will you differentiate them ? **5+5**  
(b) Write the principle and procedure for estimating serum bilirubin.

6. How is uric acid formed in the body ? 10
7. Write short notes on any four of the following : 4x5=20
- (a) Ketogenesis
  - (b) Clinical importance of potassium
  - (c) Source and functions of Iron
  - (d) Difference between DNA and RNA
  - (e) Creatinine clearance test
  - (f) Sources of potassium in foods
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