



বিদ্যাসাগর বিশ্ববিদ্যালয়

**VIDYASAGAR UNIVERSITY**

**BMLT**

**4th Semester Paramedical Examination 2022**

**CLINICAL BIO-CHEMISTRY**

**PAPER—XI (Unit-21)**

*Full Marks : 40*

*Time : 2 Hours*

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

Answer any *two* questions.

15×2

1. What is indirect ELISA? Write the principle and method of sandwich ELISA. Write the procedure of protein free filtrate preparation.

2+(3+5)+5

2. What do you mean by conjugated bilirubin? Write the principle and procedure of total bilirubin determination. Why blood troponin T test is performed? Write the difference between Intra assay variation and Inter assay variation.

2+(2+5)+(3+3)

3. What are the gastric function tests? Write the principle and procedure of gastric total acidity estimation. Write the significance of pepsin analysis in gastric juice. How do you prepare urine sample for biochemical analysis? 3+(2+4)+3+3

4. Write the procedure and clinical significance of determination of serum creatinine. Write the normal creatinine level in blood. Write a short note on RIA. (5+3)+2+5

Answer any *one* question. 1×10

5. Write the principle and procedure of determination of total cholesterol level. Write the normal 'HDL is called good cholesterol and LDL is called bad cholesterol' — Justify the statement. (2+4)+4

6. Why albumin globulin ratio is measured? Write the procedure of blood glucose estimation by GOD-POD method. Write the physiological importance of renal clearance test. 2+5+3