

2022

BMLT

[Fourth Semester]

Paper - XXI (Theo)

Full Marks : 40

Time : 2 hours

*The figures in the right-hand margin indicate marks.
Candidates are required to give their answers in their own
words as far as practicable.*

Illustrate the answers wherever necessary.

CLINICAL BIO CHEMISTRY

1. Answer any five questions form the following : $5 \times 2 = 10$
- (i) What are chylomicrons? 2
 - (ii) What happens when plasma LDL level increases? 2
 - (iii) Define A/G ratio. 2
 - (iv) Write the principle of RIA. 2

(Turn Over)

(2)

- (v) Define total acidity. 2
- (vi) Differentiate between specificity and sensitivity of the biochemical tests. 2
- (vii) Why washing step is done during ELISA?
- (viii) What is RFT?

2. Answer any four questions from the following. $4 \times 5 = 20$

- (i) What causes atherosclerosis? What happens when creatinine level rises in plasma? $3+2=5$
- (ii) Write short notes on – $2\frac{1}{2}+2\frac{1}{2}=5$
(a) SGOT (b) Phospholipids
- (iii) What is Crigler Majjar Syndrome? What happens when bilirubin level increases in blood?
- (iv) Why total protein test is done? What precaution measures should we take before the total protein test is performed?
 $(3+2)=5$
- (v) Describe the procedure for measurement of bilirubin in plasma sample. 5

(3)

- (vi) Why protein free filtrate is necessary for biochemical test and when?

Write the principle of protein free filtrate for Folin – WU or Nelson somogy method.

Write the normal level of cholesterol. $2+2+1$

3. Answer any one question from the following. $1 \times 10 = 10$.

- (i) Write the procedure of ELISA in general.
Write the various types of ELISA. $4+6$
- (ii) What do you mean by high protein level? What is Gilbert's Syndrome? Why Troponine Ttest in blood is done?
 $2+3+5=10$