

**KMLTTB MAY 2015 DEGREE THEORY PAPERS**

**CLINICAL CHEMISTRY**

**SECTION A (ANSWER ALL QUESTIONS) 20 MKS)**

(Q1) The following are goals of clinical chemistry except:

- (a) confirmation of clinical impression,
- (b) staff recruitment in a hospital
- (c) provide therapeutic guideline for the purpose of treatment.
- (d) Interpret and translate laboratory measurements and examinations.

(Q2) One of the following is the principle cause of diabetes keto acidosis:

- (a) acetone
- (b) acetoacetic acid
- (c)  $\beta$ -hydroxybutyrate
- (d) sulphide

(Q3) Which of the following is the physiologically active type of thyroid hormone?

- (a) T3
- (b) FT4
- (c) TSH
- (d) T4

(Q4) In the investigation of bone metabolism disorder in children, the following parameter is of no diagnostic value:-

- (a) Calcium
- (b) ALT
- (c) ALP
- (d) phosphorus

(Q5) Which of the following factor does not effectively determine the hormone-receptor complex concentration:-

- (a) The number of hormone molecules available for complex formation
- (b) The number of receptor molecules available for complex formation
- (c) The binding affinity between hormone and receptor
- (d) The globulin concentration of the hormone

(Q6) The following reason has made it impossible to form an artificial or bioartificial liver

- (a) Functional complexity
- (b) location
- (c) liver disorders
- (d) liver disorders management

(Q7) Which of the following is the best marker in the investigation of pancreatic disorders?

- (a) bile juice

# Kmlttb 2015 Deadline

**IM Harris**



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