

D. M. L. T. : SUMMER - 2019
SUBJECT: CLINICAL BIOCHEMISTRY

Day : Thursday
Date : 06/06/2019

Time : 2.00 P.M. TO 5.00 P.M
Max. Marks : 100

S-2019-3907

N. B. :

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagram **WHEREVER** necessary.
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Q.1 Describe the principle, types and applications of electrophoresis. **(15)**

Q.2 Describe various factors affecting enzyme activity. Add a note on isoenzymes. **(15)**

Q.3 Describe regulation of blood glucose level. Discuss different methods of blood glucose estimation with its merits and demerits. **(15)**

Q.4 Enumerate and explain kidney function test. **(15)**

Q.5 Write short notes on **ANY FOUR** of the following : **(20)**

- a) External quality control
- b) Biochemical analysis of CSF
- c) ELISA
- d) Laboratory diagnosis of jaundice
- e) Ovens and incubators

Q.6 Write short notes on **ANY FOUR** of the following : **(20)**

- a) Chromatography
- b) Lipoproteins
- c) Automation in biochemistry laboratory
- d) Specimen collection and anticoagulants
- e) Iron : sources, functions and deficiency manifestations

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