

M. SC. (MEDICAL BIOCHEMISTRY) : SUMMER - 2018

SUBJECT : PAPER – III

CLINICAL BIOCHEMISTRY

Day: Wednesday

Date: 06/06/2018

Time: 2.00 P.M. TO 5.00 P.M

Max. Marks: 100

S-2018-3473

N. B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 4) Draw neat diagram **WHEREVER** necessary.
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Q.1 Describe the mechanism of action hormones. Add a note on hormone receptors. [25]

Q.2 What is diabetes mellitus? Enumerate different biochemical tests for its diagnosis and monitoring. Explain the biochemical basis of chronic complications of it. [25]

Q.3 Discuss the role of kidney in regulation of water electrolyte and acid base balance. [25]

Q.4 Write short notes on **ANY THREE** of the following: [25]

- a) Internal quality control
- b) Biotransformation
- c) Radio isotopes in medicine
- d) Cerebrospinal fluid examination

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