

M. D. (BIOCHEMISTRY) : SUMMER - 2018
SUBJECT : BIOCHEMISTRY
PAPER – I : GENERAL BIOCHEMISTRY AND INSTRUMENTATION

Day : **Saturday**
Date : **02/06/2018**

S-2018-3407

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

N. B. :

- 1) **Q. No. 1 and Q. No. 2 are COMPULSORY.**
 - 2) Attempt **ANY SEVEN** questions from **Q. No. 3 and Q. No. 10.**
 - 3) Figures to the right indicate **FULL** marks.
 - 4) Draw neat and labelled diagram **WHEREVER** necessary.
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- Q. 1** Discuss the structural organization of protein with details of amino acid sequencing. Explain the structure function relationship giving suitable examples. **(15)**
- Q. 2** Discuss the role of enzyme inhibitors in medicine. **(15)**
- Q. 3** Abnormal Hemoglobins. **(10)**
- Q. 4** Chemistry, functions and disorders of collagen. **(10)**
- Q. 5** Theories and inhibitors of oxidative phosphorylation. **(10)**
- Q. 6** Immunoglobulins. **(10)**
- Q. 7** Principle, Types and Applications of electrophoresis. **(10)**
- Q. 8** Spectrophotometry. **(10)**
- Q. 9** Automation in Biochemistry. **(10)**
- Q.10** Structure and functions of cell membrane **(10)**

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