

M. SC. (MEDICAL BIOCHEMISTRY) : WINTER - 2017
SUBJECT : PAPER – I: GENERAL BIOCHEMISTRY & INSTRUMENTATION

Day : **Saturday**
Date : **02/12/2017**

W-2017-3385

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

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
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- Q.1** Describe in detail the components and synthesis of ATP in Electron Transport Chain. [25]
- Q.2** Describe the different types of enzyme inhibition. Add a note on allosteric regulation of enzymes. [25]
- Q.3** Discuss the chemistry, types and functions of hemoglobin. Write a note on hemoglobinopathies. [25]
- Q.4** Write notes on **ANY THREE** of the following: [25]
- a) Transport across the cell membrane
 - b) Lipoproteins
 - c) Automation in clinical laboratory
 - d) Compare and contrast colorimeter and spectrophotometer

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