

M. Sc. (Medical Biochemistry) : SUMMER - 2019
SUBJECT: PAPER-I: GENERAL BIOCHEMISTRY AND INSTRUMENTATION

Day: Saturday
Date: 01/06/2019

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

S-2019-3885

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 role of enzymes and isoenzymes in clinical medicine. | (15) |
| Q.2 | Describe the composition and features of cell membrane. Add a note on transport across cell membrane. | (15) |
| Q.3 | Abnormal hemoglobins and their detection | (10) |
| Q.4 | Theories and Inhibitors of oxidative phosphorylation | (10) |
| Q.5 | Classification and functions of phospholipids | (10) |
| Q.6 | Glycosaminoglycans: Structure and Functions | (10) |
| Q.7 | Flow cytometry and Mass spectrometry | (10) |
| Q.8 | Automation in biochemistry | (10) |
| Q.9 | Electrophoresis: Principle, Types and applications | (10) |
| Q.10 | Immunoglobulins | (10) |

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