

500-B

**M.B.B.S. DEGREE EXAMINATION – NOVEMBER, 2013**  
**FIRST M.B.B.S. EXAMINATION**  
**BIOCHEMISTRY**  
**PAPER-II**

Time : 2 ½ Hours

Max. Marks : 50

Answer all questions

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|----|---|------------|
| 1) | Explain how recombinant DNA is formed. What are the applications of recombinant DNA technology in medicine?   | 5+5=10     |
| 2) | Describe the formation of uric acid. What is the normal serum uric acid level? Explain the disease associated with its accumulation. Write the ways for lowering serum uric acid level. | 4+1+3+2=10 |

**WRITE SHORT NOTES ON:**

5x4=20

- 3) Urea cycle
- 4) Nucleosomes
- 5) Structure of collagen
- 6) Fluid mosaic model
- 7) Functions of albumin in the body.

**WRITE BRIEFLY ON:**

5x2=10

- 8) Functions of Thyroid stimulating hormone
- 9) Reverse transcriptase
- 10) Biochemical functions of zinc in the body
- 11) Oncogenes
- 12) Biochemical functions of estrogens

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