

M.B.B.S. [1st Prof.]

BF/2014/10

Biochemistry – B

M.M. : 50

Time : 3 Hours

Note : Attempt all questions.

USE SEPARATE ANSWER SHEET FOR EACH PART.**PART - I**

1. Briefly describe transcription in Prokaryotes and mention its inhibitors. [8]
2. **Discuss:-**
 - a. Lesh Nyhan syndrome. [3]
 - b. Hyponatremia. [3]
 - c. Inhibitors of DNA replication. [3]
3.
 - a. Discuss the role of kidney in maintenance of pH of blood. [5]
 - b. Biochemical functions of Zinc in the body. [3]

PART – II

4. Describe various tests to assess glomerular function. [8]
 5. **Write briefly on:-**
 - a. Lac operon. [4]
 - b. Application of recombinant DNA technology. [4]
 6. **Write short notes on:-**
 - a. Fluorosis. [3]
 - b. Restriction endonucleases. [3]
 - c. Nitric oxide. [3]
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