

Name:

Application ID:

**QUESTION NUMBERS UNDER EACH CATEGORIES
WILL VARY**



MS in Biotechnology
Spring Semester 2014
Admission Test
Friday, January 24, 2014

Total Marks: **50**

Time: **1 hour**

**Answer Section A and Section C on question paper and Section B on answer script.
Return both the question papers and the answer script.**

Applicant has to pass in all the sections individually.

Section A

1. Multiple choice questions. Tick the correct answer.

i.	A biomolecule involved in breakdown of protein is called a. Mutase b. Nuclease c. Ligase d. Protease
ii.	Antibiotics are not active against a. Bacteria b. Fungus c. Chlamydia d. Virus e. Yeast
iii.	Which of the following biomolecule is not involved in catalytic reaction a. nuclease b. catalase c. hydralase d. Albumin
iv.	Hormone which is not involved in blood sugar level maintenance a. Thyroxin b. glucagon c. insulin d. None of these
v.	Using observation to arrive at a generalized conclusion s a. Experiment b. Inductive Logic c. Argument d. Theory

2. Write true (T) or false (F) against the following statements

- i. Red Blood cells function in housekeeping and defense.
- ii. mRNA carries protein-building instruction.
- iii. Blood transfusion requires that donor and recipient have the same blood type.
- iv. High HDL level increases risk of atherosclerosis.
- v. Most amino acids can be specified by only a single codon.

Section B

3. Give your opinion with justification on the following statements

- i. Central dogma has connection with gene expression.

4. Answer to the following questions:

- i. Discuss how biotechnology emerged.

5. Write short notes on the following

- i. Biotechnology

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Section C

ENGLISH COMPOSITION

Write a composition on the topic given below. Your composition should not exceed 200 words. (Marks: 20)

Exposure to the western world and culture always bring a negative effect for our young generation. Do you agree? Give reasons for your answer.

Start writing just below this line
