

**GUJARAT NATIONAL LAW UNIVERSITY
GANDHINAGAR**

**Course: Microbiology and Genetics
Semester-I**

End Semester Examination: October-2019 (Repeat)

Date: 23rd October, 2019

Duration: 2 hours

Max. Marks: 40

Instructions:

- Read the questions properly and write the answers in the given answer book.
- The respective marks for each question are indicated in-line.
- Do not write anything on the question paper.
- Indicate correct question numbers in front of the answers.
- No questions or clarifications can be sought during the exam period, answer as it is, giving reason, if any.
- Draw diagrams only with pencil.

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| <p>Q.1 Write short notes on the following:</p> <p>(a) Prions</p> <p>(b) Eugenics</p> <p>(c) Sex linked inheritance</p> <p>(d) Bombay phenotype</p> <p>(e) Genetic code</p> | <p>Marks
(5x2=
10)</p> |
| <p>Q.2 Answer any five of the following:</p> <p>(a) Briefly describe inhibitory genes with an example.</p> <p>(b) What is Biological weapon Convention? Add a brief note on biological warfare agents.</p> <p>(c) Describe the economic importance of Microorganisms.</p> <p>(d) What is Mutation? Explain the different types of Mutations</p> <p>(e) Briefly describe quantitative inheritance in man with an example.</p> <p>(f) What is apoptosis? How is it different from necrosis? What are the major changes observed in an apoptotic cell?</p> | <p>(5x6=
30)</p> |
