

**GUJARAT NATIONAL LAW UNIVERSITY
GANDHINAGAR**

Course: Bio-chemistry and Bio-informatics
Semester-III (Batch: 2018-23)

End Semester Examination: October-2019

Date: 22nd 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.

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|---|---------------------------------------|
| <p>Q.1 Answer any four of the following:</p> <ul style="list-style-type: none">(a) Write short note on sequence alignment. Add a note on the importance of sequence alignment.(b) Describe the metabolism of tyrosine. What are the inborn errors of metabolism of this amino acid?(c) What is radiation processing of food? What are the advantages of radiation processing of food?(d) Describe the biological role of lipids.(e) Describe the disorders associated with purine nucleotide metabolism. | <p>Marks
(4x6=
24)</p> |
| <p>Q.2 Answer the following:</p> <ul style="list-style-type: none">(a) What are protein structure predictions? How are they used?(b) Briefly describe any two disorders associated with carbohydrate metabolism.(c) Briefly describe browning reactions in food.(d) Briefly describe urea cycle. | <p>(4x4=
16)</p> |
