



RAN-0942

B. Sc. (Semester-IV) Medical Technology Examination

March / April - 2019

MT- 10: General Biochemistry -02

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

1.

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:
B. Sc. (Semester-IV) Medical Technology

Name of the Subject :
MT- 10: General Biochemistry -02

Subject Code No.: 0 9 4 2

Seat No.:

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Student's Signature

2. Answer all the questions.
3. Draw neat and labeled diagrams wherever necessary.
4. Figures to the right indicate full marks of the question.

1. Answer in brief:

[08]

- (i) Name the purines found in nucleic acids and draw their structures.
- (ii) Give examples of peptide hormones and steroid hormones.
- (iii) Daily requirements and sources of sodium.
- (iv) Enlist the deficiency manifestations of vitamin D.

2. Attempt any TWO of the following:

[14]

- (i) Phosphatidyl inositol acts as a secondary messenger- Justify.
- (ii) Compare and contrast B and Z forms of DNA.
- (iii) Calcium has many biochemical functions.

3. Write Essay on any ONE of the following: [14]

- (i) Describe the structure, biochemical functions. RDA, dietary sources and deficiency manifestations of Vitamin K.
- (ii) Draw and explain the structure of t RNA and explain the function of each arm of it.

4. Write short note on any TWO of the following: [14]

- (i) Thiamine.
 - (ii) Mechanism of steroid hormones.
 - (iii) Potassium.
 - (iv) Function of Nucleic acid.
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