



AC-3091
Second Year B. Sc. (Sem. IV) Examination
April / May – 2015
Medical Technology : Paper - MT - X
(General Biochemistry - II)

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दर्शायेव निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : SECOND YEAR B. SC. (SEM. IV)</p> <p>Name of the Subject : MEDICAL TECHNOLOGY : PAPER - MT - X</p> <p>Subject Code No. : 3 0 9 1 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p>Student's Signature</p>
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- (2) Draw labelled diagram wherever needed.
(3) Figures to the right indicate full marks of the question

1. Answer in Brief : 8
- Enlist factors regulating Blood calcium level.
 - Explain Nucleotide giving examples.
 - What is daily requirement and sources of folic acid?
 - Define hormones. How hormone action differs from enzyme?
2. Answer any two of the following. 14
- Discuss Source, Daily Requirement and clinical significance of Potassium in the body.
 - Water soluble Vs. Fat Soluble vitamins
 - Give the Chemical Structure, function and deficiency manifestations of Riboflavin.
3. Answer any two of the following : 14
- Explain molecular mechanism of action of Calcitriol in intestinal cells.

(ii) Enlist hormones secreted by Thyroid gland. Describe abnormalities of thyroid function.

(iii) Enlist types of RNA. Explain t-RNA in detail.

4. Write Short Notes on any two of the following. 14

1) Wald's visual cycle

2) Functions of Vitamin D.

3) Folic acid deficiency

4) Mechanism of SH.
