



JB-3185
Second Year B. Sc. Examination
April/May - 2013
General Biochemistry - II
Medical Technology - MT - 10
(New Course)

Time : Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दर्शाविए - निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p>← SECOND YEAR B. SC.</p> <p>Name of the Subject :</p> <p>← GEN. BIOCHEM. - 2 : MEDICAL TECH. - MT - 10</p> <p>← Subject Code No. : 3 1 8 5 ← Section No. (1, 2,.....): NIL</p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 30px;"><tr><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td><td style="width: 25px;"></td></tr></table> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; height: 80px; display: flex; align-items: center; justify-content: center; margin-top: 10px;">Student's Signature</div>						

- (2) Figures to the right indicate full marks.
(3) Draw neat and labelled diagram wherever necessary.

- 1** Answer in brief : **8**
- (i) Give the other name and source of vitamin B1.
 - (ii) What is nucleoside ? Explain giving examples.
 - (iii) What is daily requirement and sources of calcium ?
 - (iv) Hormones Vs. Enzymes
- 2** Attempt any **two** of the following : **14**
- (i) "Hormones act by different ways", explain.
 - (ii) Explain Wald's visual cycle.
 - (iii) Explain the structure of DNA in detail.
- 3** Answer any **two** of the following : **14**
- (i) Give the chemical structure, function and deficiency manifestation of vitamin B6.

- (ii) Which are different types of RNA ? Give detail explanation of t-RNA.
- (iii) Which hormones are responsible to maintain blood glucose level ? How insulin deficiency leads to disorder ?

4 Write short notes on : (any two)

14

- (i) Types of DNA
 - (ii) Functions of calcium
 - (iii) Functions of Vitamin B12
 - (iv) Nucleotides.
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