



R-1209-10
First Year B. H. M. S. Examination
February – 2010
Physiology & Biochemistry : Paper - II
(New Course)

Time : 3 Hours]

[Total Marks : 100

R-1209

Instructions :

(1)

<p>नीचे दृशविले निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : F. Y. B. H. M. S.</p> <p>Name of the Subject : Physiology & Biochemistry - 2 (New)</p> <p>Subject Code No. : 1 2 0 9 Section No. (1, 2,...): 1</p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table> <div style="border: 1px solid black; border-radius: 15px; height: 60px; margin-top: 10px; display: flex; align-items: center; justify-content: center; padding: 10px;">Student's Signature</div>						

- (2) Write in neat handwriting.
- (3) Figures to right indicate full marks.
- (4) Draw diagram wherever necessary.

- | | |
|--|----|
| 1 Discuss functions, composition, mode of secretion and regulation of gastric juice. | 15 |
| 2 Define carbohydrate. Classify them and write their properties in detail. | 15 |

OR

- | | |
|--|----|
| 2 Describe metabolism of fats in detail. | 15 |
| 3 Write short notes on : (any four) | 20 |
| (i) Succus Entericus | |
| (ii) Essential Amino Acid | |
| (iii) Describe Fat Digestion | |
| (iv) Functions of Vitamin D | |
| (v) Cori's Cycle. | |

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Name of the Examination :	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text" value="F. Y. B. H. M. S."/>	<input type="text" value="Student's Signature"/>
Name of the Subject :	
<input type="text" value="Physiology & Biochemistry - 2 (New)"/>	
Subject Code No. : <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="0"/>	Section No. (1, 2,.....) : <input type="text" value="2"/>

(2) Write in neat handwriting.

(3) Figures to right indicate full marks.

(4) Draw diagram wherever necessary.

1 Name the hormones of Adrenal cortex of each group and describe Aldosterone in terms of chemistry, physiological action, regulation of hormone secretion and a note on Cushings Syndrome. **15**

2 Define Receptor. Classify them and discuss their properties in detail. **15**

OR

2 Define Reflex. Draw diagram of Reflex Arc and write down properties of Reflex in detail. **15**

3 Write short notes on : (any four) **20**

(i) Myoneural junction

(ii) Function of thalamus

(iii) Menstrual cycle

(iv) Negative feedback mechanism

(v) Structure of sperm.