



AD-4048
First Year B. H. M. S. Examination
March / April – 2015
Physiology & Biochemistry : Paper - I
(New Course)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

<p>नीचे दृश्यावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : FIRST YEAR B. H. M. S.</p> <p>Name of the Subject : PHYSIOLOGY & BIOCHEMISTRY - 1 (NEW)</p> <p>Subject Code No. : 4 0 4 8 Section No. (1, 2,.....) : 1&2</p>	<p>Seat No. : [][][][][][][]</p> <p style="text-align: center;">Student's Signature</p>
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- (2) Figures to the right indicate full marks.
(3) Write in neat handwriting.
(4) Draw diagram wherever necessary.

SECTION - I

1 Define Blood groups. Explain Landsteiner law. Discuss various Blood groups in detail. 15

2 Describe properties of Cardiac muscle in detail. 15

OR

2 Define Heart Rate. Factors affecting on heart rate in detail. 15

3 Write short notes on : (any four) 20

- (1) Diffusion
- (2) Thrombocytes
- (3) Artificial Respiration
- (4) Bainbridge Reflex
- (5) Endoplasmic Reticulum
- (6) Apex beat.

SECTION - II

- 1 Describe transport of carbon dioxide in blood in detail. 15
- 2 Define Error of Refractions. Name them and draw a neat labelled diagram of Eyeball. 15

OR

- 2 Explain role of Kidney in Acid-base Equilibrium. 15
- 3 Write short notes on : (any four) 20
- (1) Surfactant
 - (2) Taste Buds
 - (3) Olfactory Receptor
 - (4) Functions of Skin
 - (5) Protein as abnormal constituents of Urine
 - (6) Spirometry.