



**DDD-4048**  
**First Year B. H. M. S. Examination**  
**March / April - 2016**  
**Physiology & Biochemistry : Paper - I**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

<p>नीचे दशांशविक निशानीवाणी विगतो उत्तरवडी 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 &amp; BIOCHEMISTRY - 1</p> <p>Subject Code No. : 4 0 4 8 Section No. (1, 2,...): 1&amp;2</p>	<p>Seat No. : □ □ □ □ □ □ □ □</p> <p style="text-align: center;">Student's Signature</p>
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- (2) All questions are compulsory.  
(3) Figure to the right side indicates full marks.

**SECTION-I**

- |    |  |    |
|----|--|----|
| 1  | Define Plasma. Give composition of Plasma and describe Plasma Protein functions in detail. | 15 |
| 2  | Describe Heart rate in detail.   | 15 |
| OR |  |    |
| 2  | Describe Heart Sound in detail.  | 15 |
| 3  | Write short notes : (any four)   | 20 |
|    | (a) Reticulo-Endothelial cells   |    |
|    | (b) Osmosis  |    |
|    | (c) Functions of Leucocytes  |    |
|    | (d) ECG waves  |    |
|    | (e) Erythrocyte Sedimentation Rate   |    |
|    | (f) Cell Membrane  |    |

## SECTION II

- 1 Write in detail Lung volumes and capacities. 15
- 2 Define Nephron. Give types of nephrons with differences between them and write parts of nephron with their functions. 15

OR

- 2 Describe Taste Buds and write in detail Gustatory Pathway. 15
- 3 Write short notes : (any four) 20
- (a) Test for Deafness
  - (b) Renal circulation
  - (c) Physiology of skin
  - (d) Renin - Angiotensin mechanism
  - (e) Hypothalamus as thermostat
  - (f) Anoxia
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