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SB-1104
First Year B.H.M.S. Examination
March / April - 2011
Paper - I : Physiology & Biochemistry
(New Course)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

<p>नीचे दृशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p>F.Y. B.H.M.S.</p> <p>Name of the Subject :</p> <p>1 - PHYSIOLOGY & BIOCHEMISTRY (NEW)</p> <p>Subject Code No. : 1 1 0 4 Section No. (1, 2,.....) : 1&2</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;">Student's Signature</div>						

- (2) All questions are compulsory.
- (3) Figures to the right indicate full marks.
- (4) Draw diagrams wherever necessary.
- (5) Write both sections in separate answer sheets.

SECTION - I

- 1 Define Blood Groups. Write what is Landsteiner's law and discuss about Rh blood group with a note on Rh incompatibility. **15**
 - 2 Define Cardiac Cycle. Write in detail about Cardiac Cycle. **15**
- OR**
- 2 Define Heart rate. Write about Marey's Law and factors affecting it. **15**
 - 3 Write short notes on : (any four) **20**
 - (1) Functions of RE Cells
 - (2) Osmosis
 - (3) Fate of RBC
 - (4) Mechanism of Coagulation
 - (5) Circulation of Blood

SECTION - II

- 1 Describe Oxygen transport in detail. 15
- 2 Describe role of renal tubules in the formation of urine. 15
- OR**
- 2 Describe Visual Pathway with neat labelled diagram. 15
- 3 Write short notes on : (any four) 20
- (1) Functions of skin
 - (2) Surfactant
 - (3) Taste buds
 - (4) JGA
 - (5) Hypothalamus as Thermostat.
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