



**RO-1543**  
**First Year M.B.B.S. Examination**  
**June - 2010**  
**Physiology : Paper - I**

Time : Hours]

[Total Marks : 50

**Instructions :**

(1)

<p>नीचे दृश्यावलोकन निशानीवाणी विगतो उत्तरवही पर अवश्य कर्तव्य। Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <input type="text" value="F. Y. M.B.B.S."/></p> <p>Name of the Subject : <input type="text" value="Physiology : Paper - 1"/></p> <p>Subject Code No. : <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="4"/> <input type="text" value="3"/> Section No. (1, 2,.....): <input type="text" value="Nil"/></p>	<p>Seat No. : <input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/></p> <div style="border: 1px solid black; border-radius: 15px; height: 80px; display: flex; align-items: center; justify-content: center; margin-top: 10px;"><p>Student's Signature</p></div>
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- 1 Write short notes on : (any two) 10
- (1) Dead space
  - (2) Acclimatization at high altitude
  - (3) Glomerular filtration rate.
- 2 (a) Explain in two or three sentences : 10
- (1) Hypoproteinemia leads to edema
  - (2) Heart muscle can not be tetanised
  - (3) Apoptosis has physiologically significant role
  - (4) Severe bout of cough may lead to syncope
  - (5) Vagotomy is combined with pyloroplasty.
- (b) Briefly : 5
- (1) Write Karl land-Steiner's law
  - (2) Renal blood flow
  - (3) Types of T cells
  - (4) Any two determinants of blood pressure
  - (5) Hematocrit value in microcytic anemic.

**3** Describe the composition and function of Gastric Juice. **10**

**OR**

**3** Describe the movements of small intestine. **10**

**4** Write short notes on : (any **three**) **15**

- (1) Venous return
  - (2) Fibrinolytic system
  - (3) Waves of normal ECG
  - (4) Hazards of mismatched blood transfusion.
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