

# Physiology : Paper - I

[Total Marks : **50**

## Instructions

(1)

<p style="text-align: center;"> <math>\text{sa}^4\text{q} \bullet - \text{Frial-actA} \left[ \begin{smallmatrix} 43141 \\ 7-1 \end{smallmatrix} \text{R}^{141} \right. \quad \left. \begin{smallmatrix} 41441 \\ 7-1 \end{smallmatrix} \right]</math> </p> <p style="text-align: center;"><b>Fillup strictly the details of 4, signs on your answer book.</b></p> <p>Name of the Examination : _____</p> <p><b>● F. Y. M.B.B.S.</b></p> <p>Name of the Subject : _____</p> <p><b>16-1 Physiology : Paper - 1</b></p> <p>— Subject Code No. :      <b>5      4</b>      up-Section No. (1, 2, .... ) :      <b>Nil</b></p>	<p>Seat No. : _____</p> <div style="border: 1px solid black; height: 100px; border-radius: 15px; display: flex; align-items: center; justify-content: center; margin-top: 20px;"> <p style="font-size: 24px; color: gray;">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.
- (13) Briefly : **5**
- (1) Write Starling's law
  - (2) Renal blood flow
  - (3) Types of T cells
  - (4) Any two determinants of blood pressure
  - (5) Hematocrit value in microcytic anemic.

**[Contd...**

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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