



M-4003

First Year M. B. B. S. Examination

July - 2015

Physiology : Paper - I

Time : 1 Hour & 50 Minutes]

[Total Marks : 40

Instructions : (1)

નીચે સહી કરવાનું છે. ઉપરોક્ત વિગતો ભરવાનું છે. સચોટ રીતે ભરવું.
 Fill up strictly the details of signs on your answer book.
 Name of the Examination : **FIRST YEAR M. B. B. S.**
 Name of the Subject : **PHYSIOLOGY : PAPER - I**
 Subject Code No. : **4 0 0 3** Section No. (1, 2, ...) : **1&2**

Seat No. :
 Student's Signature :

- (2) Answer precisely and draw diagrams wherever essential.
- (3) Figure to the right indicates the marks.
- (4) Answer separately section wise.

SECTION - I

- 1 Explain in brief : (ANY THREE) 6
 - (a) Importance of Sodium Potassium Pump.
 - (b) Definition and cause of Rigor Mortis.
 - (c) What is T tubule ? Write its importance.
 - (d) Smooth muscle types and their examples.
- 2 Write notes on : (ANY THREE) 15
 - (a) Surfactant.
 - (b) Chemical regulation of respiration.
 - (c) Juxta Glomerular Apparatus.
 - (d) Glomerular Filtration rate.

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[Contd...

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SECTION - II

- 3 Define Blood Pressure and discuss mechanisms regulating blood pressure. 10
- 4 Write short note on : (ANY THREE) 9
- (a) Peristalsis – definition and mechanism
 - (b) Rh system of Blood group
 - (c) Mechanism of Gastric acid secretion
 - (d) Immunity : definition and classification.

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[500]