


R-3702-A
First Year M. B. B. S. Examination

November / December - 2018

Physiology : Paper - I

 Time : $2\frac{1}{2}$ Hours]

[Total Marks : 50

Instructions :

(1)

નીચે સહી કરી પૂર્ણપણાં વિગતો ઉમેરવાની પદ ભરવા અવધી. Fillup strictly the details of signs on your answer book.		Seat No. :
Name of the Examination : FIRST YEAR M. B. B. S.		
Name of the Subject : PHYSIOLOGY : PAPER - I		
Subject Code No. : 3 7 0 2	Section No. (1, 2, ...) : Nil	

(2) Draw diagrams and flow chart wherever required.

SECTION - I

- Discuss effects of high altitude on respiratory system and cardiovascular system. 8
- Write notes on any three : 12
 - Erythroblastosis fetalis
 - Function of agranulocytosis
 - Acquired immunity
 - Explain the mechanism of coagulation schematically.
- Answer in brief in 1-2 sentences : (any 5) 5
 - Define sarcomere
 - Causes of Myasthenia gravis
 - Factors maintaining GFR (any 2)
 - Primary role of counter-current multiplier
 - Function of JGA
 - What is Metabolic alkalosis.

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[Contd.....

SECTION - II

- 4 Write notes in short on any 4 : 8
- Function of bile
 - Role of HCL in Stomach
 - Secretin
 - Distal convoluted tubule
 - Define Fatigue. What is seat of Fatigue ?
- 5 Short notes on any 3 : 12
- Action potential in cardiac muscle
 - Define Blood pressure. Explain role its determinants in its maintenance
 - Heart sound
 - Explain schematically 'Excitation contraction coupling'.
- 6 Answer in briefly for any 5 : 5
- Role of B1 receptor in cardiac tissue
 - Physiological role of Na-ion (any two)
 - Normal K⁻ion concentration in ECF
 - Advantages of saltatory conduction
 - Normal total WBC count
 - Function of Albumin.

