


B-4003
First Year M. B. B. S. Examination

May / June - 2017

Physiology : Paper - I

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

[Total Marks : 50

Instruction :

નોંધ લેવો : ઉત્તરિકર્મ પૂરતે ઉપરોક્ત જા મુજબ જવાબ. 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 - 1		
Subject Code No. : 4 0 0 3	Section No. (1, 2, ...) : 1&2	

SECTION - I

- Define cardiac output. Describe the regulation of cardiac output. 8
- Write notes on: (any three out of four) 12
 - Functions of bile.
 - Deglutition
 - Mass reflex
 - Gastric secretions.
- Answer in short : (any five out of six) 5
 - Define Osmosis.
 - Write cause of Myaesthesia Gravis.
 - Define Blood pressure. Give the value of mean arterial blood pressure.
 - Enumerate functions of cell membrane.
 - Write phases of action potential.
 - Define secondary active transport. Give its example.

B-4003]

1

[Contd...

SECTION - II

- 4 Answer in short : (any four out of five) 8
- Functions of Haemoglobin.
 - Functions of Juxta - medullary nephron.
 - Peculiarities of Renal circulation.
 - What is Intrinsic factor? Write its significance.
 - Blood picture of Iron deficiency anaemia.
- 5 Write notes on : (any three out of four) 12
- Humoral Immunity
 - Transport of carbon dioxide
 - Timed vital capacity
 - Decompression sickness.
- 6 Answer in 1 - 2 sentences : (any five out of six) 5
- Define diuretics. Write normal value of Urinary output.
 - Enumerate types and functions of T-cells.
 - Define filtration fraction.
 - Differentiate between Counter-current multiplier and exchange mechanisms.
 - Normal value of limiting pH of urine.
 - Define diffusion capacity.

B-4003]

2

[600]