



MN-4003

First Year M. B. B. S. (Repeater) Examination

December - 2013

Physiology : Paper - I

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

Fill up strictly the details of signs on your answer book.		Seat No.:
Name of the Examination :		
FIRST YEAR M. B. B. S. (REPEATER)		
Name of the Subject :		
PHYSIOLOGY : PAPER - 1		
Subject Code No.:	4 0 0 3	Section No. (1, 2, ...): 1&2
		Student's Signature

(2) Answer MCQ in a provided separate answer sheet

(3) Answer precisely & draw necessary diagrams

SECTION -1

Ques 1 Explain in brief (any 3):

(6)

1. Vital capacity
2. Frank-Starling's law
3. Myasthenia gravis
4. Anaemic hypoxia

Ques 2 Write short notes on (any 3):

(15)

1. Cardiac output
2. ECG
3. Structure & function of Mitochondria
4. Active transport

MN-4003]

1

[Contd...



SECTION -2

Ques 3 Describe the stages of Erythropoiesis & its regulation. (10)

Ques 4 Write notes on: (9)

1. Functions of Kidneys
2. Juxta glomerular apparatus(JGA)
3. Mechanism of HCl secretion in stomach
4. Functions of gallbladder

Ques 5

- 1) The organelle for synthesis of protein in a cell is
 - a) Nucleus
 - b) Ribosomes
 - c) Mitochondria
 - d) Lysosome
- 2) The First heart sound is produced by
 - a) Opening of semilunar valve
 - b) Closure of semilunar valves
 - c) Opening of AV VALVE
 - d) Closure Of AV valve
- 3) Cell mediated immunity is mediated by
 - a) Macrophages
 - b) T-lymphocytes
 - c) B-lymphocytes
 - d) Neutrophils
- 4) The muscle protein that binds with calcium to start skeletal muscle contraction is
 - a) Actin
 - b) Myosin
 - c) Troponin-C
 - d) Tropomyosin
- 5) Hemophilia A is caused by deficiency of following clotting factor
 - a) Factor II (2)
 - b) Factor V (5)
 - c) Factor VIII (8)
 - d) Factor X (10)
- 6) Pernicious anaemia is due to deficiency of
 - a) Vitamin B12
 - b) Folic acid
 - c) Iron
 - d) Vitamin C

MN-4003]

2

[Contd...

- 7) Normal GFR value is
- 125 ml/min
 - 140 ml/min
 - 180 ml/min
 - 90 ml/min
- 8) Peripheral chemoreceptors for regulation of respiration are situated in
- Carotid & aortic body
 - Pons
 - Medulla
 - Diaphragm
- 9) Pepsinogen is secreted by :
- Stomach
 - Pancreas
 - Small Intestine
 - Large Intestine
- 10) Normal Duration of Cardiac Cycle is:
- 0.4 seconds
 - 0.6 seconds
 - 0.8 seconds
 - 1.0 seconds

MN-4003]

3

[300]