



JJ-4003

First Year M. B. B. S. Examination

June / July - 2013

Physiology : Paper - I

Time : 2 Hours]

[Total Marks : 50]

Instructions :

(1)

નીચે દર્શાવેલ નિઝાનીવાલી વિગતો સમરથી જા મવાય ગયલી

Fill up strictly the details of signs on your answer book.

Names of the Examination:

FIRST YEAR M. B. B. S.

Name of the Subject :

PHYSIOLOGY : PAPER - 1

Subject Code No. :

4003

Section No. (1, 2, ...): 182

Seat No.: _____

Student's Signature _____

- (2) Answer each section in separate answer sheet.
- (3) Keys of MCQs must be marked with black ballpoint pen only
- (4) Write precisely and draw wherever necessary
- (5) Use only blue pen and/or color pencils.

SECTION - 1

- | | | |
|---|---|----|
| 1 | Write briefly : (any three) | 6 |
| | (a) Composition and functions of surfactant | |
| | (b) Factors affecting diffusion across respiratory membrane | |
| | (c) Effects of hypoxia on breathing | |
| | (d) Explain inspiratory ramp. | |
| 2 | Short essays : (any three) | 15 |
| | (a) Conduction pathways for cardiac impulse | |
| | (b) Factors affecting blood pressure | |
| | (c) Fate of hemoglobin | |
| | (d) Function of T lymphocyte | |

JJ-4003]

1

[Contd...

SECTION - II

- 3 Depict Neuromuscular junction. Describe the Steps involved 10
in Excitation-Contraction Coupling in the Skeletal Muscle.
- 4 Write notes on : (any three) 9
 - (a) Types of nephron and its structure
 - (b) Control of gastric secretion
 - (c) Formation and function of bile acids
 - (d) Factors affecting renal blood flow.

JJ-4003]

2

[500]