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Paper Code : MBBS-103

Roll No.

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M.B.B.S.

1st Professional Examination, 2010-11

PHYSIOLOGY-I

Time : 3 Hours]

[Max. Marks : 50

Note: Attempt all questions.

1. Describe development and functions of White Blood Cells [10
with reference to its applied significance.
2. Discuss various Mechanism involved in regulation of heart [10
rate.
3. Describe physiological changes during the course of [10
acclimatization at high altitude.
4. Define GFR. Discuss different factors and mechanism [10
involved in its regulation.
5. *Write short notes on:*
 - (a) Liver function tests [5
 - (b) Mechanism of Salivary Secretion [5

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12-2-11

Printing Page(s) : 1

Paper Code : MBBS-104

Roll No.

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M.B.B.S.

1st Professional Examination, 2010-11

PHYSIOLOGY-II

Time : 3 Hours]

[Max. Marks : 50

Note: Attempt all questions. Draw diagrams wherever necessary.

1. Enumerate the hormones affecting growth. Give the reasons for the growth spurt that occurs at the time of puberty. Write in brief about Cretinism. [2+4
+4]
2. (a) Name the functional divisions of the cerebellum. [2+5
What are the effects on movements due to lesions of the cerebellum?
- (b) Name the structures that make up the Basal Ganglia. [2+5
Describe in brief Parkinson's disease.
3. Explain the physiological defect which causes the following and how they can be corrected: [4+4
(a) Presbyopia
(b) Myopia
4. (a) Draw a well labelled diagram of a sarcomere. [3
(b) Describe the process of Excitation-contraction coupling. [4]
5. *Write short notes on:*
(a) Changes in endometrium during the menstrual cycle [4
(b) Barrier contraceptive measures [4
(c) Active transport [3]
