



SG-1104-S

First Year B. H. M. S. Examination

May / June - 2011

Physiology & Biochemistry : Paper - I

(New Course)

Time : Hours]

[Total Marks : 100

**Instructions :**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.		Seat No. :	
Name of the Examination :		<input type="text"/>	
F. Y. B. H. M. S.		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
PHYSIOLOGY & BIOCHEMISTRY : PAPER - 1 (NEW)		<input type="text"/>	
Subject Code No. :		Section No. (1, 2,.....) :	
1 1 0 4		1&2	
		Student's Signature	

- (2) All question are compulsory.
- (3) Figures to the right indicate full marks.
- (4) Draw diagrams wherever necessary.
- (5) Write both sections in separate answer sheets.

**SECTION - I**

1 Name the blood cells. Classify leucocytes and write in detail about leucopoiesis. 15

2 Define cardiac output. Write in detail about factors affecting cardiac output. 15

**OR**

2 Define blood pressure. Discuss regulation of blood pressure in detail. 15

3 Write short notes on : (any four) 20

- (1) Composition of lymph
- (2) Filtration
- (3) Spleen
- (4) Heart sounds
- (5) PCV

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[Contd...

## SECTION - II

4 Describe chemical regulation of respiration in detail. 15

5 Define GFR. Describe factors affecting GFR. 15

OR

5 Name the taste modalities. Write in detail about taste pathway. 15

6 Write short notes on : (any four) 20

(1) Hering breur reflex

(2) Micturition

(3) Normal constituents of urine.

(4) Define :

Homocostasis, Poikilothermic, Organism, Homeothermic Organism, Core temperature, Shell temperature.

(5) Organ of Corti.

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