



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)

नीचे दशांशिक निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination : F. Y. B. H. M. S.	<input type="text"/>
Name of the Subject : PHYSIOLOGY & BIOCHEMISTRY : PAPER - 1 (NEW)	<input type="text"/>
Subject Code No. : 1 1 0 4 Section No. (1, 2,.....): 1&2	<input type="text"/>
	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

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|----|---|----|
| 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 | |

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 constitutents of urine.
 - (4) Define :
Homocostasis, Poikilothermic, Organism, Homeothermic Organism, Core temperature, Shell temperature.
 - (5) Organ of Corti.
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