



JB-3186

Second Year B. Sc. (Sem. - IV) Examination

April/May - 2013

Bioscience : Paper - I

(Elementary Physiology)

Time : Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दशांशिक निशानीवाणी विगतो उत्तरवही पर अवश्य कृपया. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="S. Y. B. Sc. (Sem. - IV)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Bioscience : Paper - I"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="1"/> <input type="text" value="8"/> <input type="text" value="6"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="Nil"/>	
Student's Signature	

- (2) Draw neat and labeled diagram wherever necessary.
(3) Figures to the right indicate full marks of the question.

1 Answer the following questions in two to three lines only. 12

- (1) Why circulating blood normally do not coagulates in the blood vessel ?
- (2) What is the average platelate counts in a healthy young person.
- (3) What is sickle cell anemia ?
- (4) Define : Leucocytosis.
- (5) Write location and function of mast cells.
- (6) Define : Haemorrhage.

2 Describe any two of the following. 14

- (1) Chemical structure and functions of haemoglobin.
- (2) O₂ and CO₂ transport through blood circulation.
- (3) Blood pressure and its importance.

3 Discuss different kinds of white blood cells in detail. **14**

OR

3 Describe :

- (1) Osmoregulation in human body.
- (2) Structure and functions of Neuron.

4 Write short notes. (any two) **10**

- (1) Erythrocytes.
 - (2) Blood plasma.
 - (3) Hyaline cartilage.
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