SIVS 190 A-2K13

B.Sc. IVth Semester Degree Examination

Zoology

(Physiology and Biochemistry)

Paper - Z - 04

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1) Answer all the questions.
2) Draw diagrams wherever necessary.

II. Answer the following in not more than one sentence. (1×15=15)

1) Define immunity.
2) Myogenic heart.
3) Ammonotelism.
4) Insulin is secreted by
5) Emulsification.
6) Isomers.
7) Synapse
8) Expand ATP.
9) Haptens.
10) Cyton
11) Co-factor.
12) What are Epitopes
13) Expand ADH.
14) Proteins.
15) Endocrine glands.
II.  
A) Write brief answers on any three of the following.  
16) Digestion in buccal cavity  
17) Types of Respiratory pigments  
18) Composition of human blood  
19) Types of specific immunity.  

B) Write brief answer on any two of the following.  
20) Electron transport system.  
21) mechanism of enzyme action.  
22) Sources and functions of vitamin ‘A’.

III.  
A) Write an explanatory note on any three of the following.  
23) Role of hormones secreted by adeno-hypophysis.  
24) Mechanism of muscle contraction  
25) Explain the structure of human heart.  
26) Neuromuscular junction and Neurotransmitters.  

B) Write an explanatory note on any one of the following.  
27) Sources and functions of water soluble vitamins.  
28) Krebs cycle.