SIVS 186 A-2K14
B.Sc. IVth Semester Degree Examination
Zoology
(Animal Physiology and Biochemistry)
Paper - Z -4

Time :3 Hours
Maximum Marks : 80

Instructions to Candidates:-
1. Answer all the questions.
2. Draw diagrams wherever necessary.

I. Answer the following in one word or in one sentence each: \((15\times1=15)\)
1) Mastication.
2) Alveoli
3) Blood pressure
4) Primary urine.
5) Fatigue
6) Acetylcholine
7) Diabetes insipidus
8) Vaccination
9) Expand ICSH
10) Photophobia
11) Holoenzyme
12) Energy currency of cell
13) Chemical nature of vitamin-B12.
14) Expand FMN.
15) Enzyme inhibitor.

II. A) Write brief answers on any three of the following: \((3\times5=15)\)
16. Ornithine cycle
17. Structure of Human Heart
18. Cell mediated immunity

SIVS 186 A-2K14 /2014
B) Write brief answers on any two of the following: (2x5=10)
21. Lock and Key model of Enzyme action.
22. Vitamin B-Complex.

III. A) Write explanatory notes on any three of the following: (3x10=30)
23. Contractile proteins
24. Digestion in small intestine.

B) Write explanatory note on any one of the following: (1x10=10)
27. Electron transport system.
28. Source, functions and deficiency diseases of fat soluble vitamins.