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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:**

(15×1=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:**

(3×5=15)

16. Ornithine cycle
17. Structure of Human Heart
18. Cell mediated immunity
19. Hormones of Neurohypophysis.

B) Write brief answers on any **two** of the following: (2×5=10)

20. Krebs cycle.
21. Lock and Key model of Enzyme action.
22. Vitamin B-Complex.

III. A) Write explanatory notes on any **three** of the following: (3×10=30)

23. Contractile proteins
24. Digestion in small intestine.
25. Conduction of nerve impulse.
26. Mechanism of Breathing.

B) Write explanatory note on any **one** of the following: (1×10=10)

27. Electron transport system.
28. Source, functions and deficiency diseases of fat soluble vitamins.