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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.*

I. 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. **(3×5 =15)**
- 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. **(2×5 =10)**
- 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. **(3×10 =30)**
- 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. **(1×10 =10)**
- 27) Sources and functions of water soluble vitamins.
 - 28) Krebs cycle.
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