

Roll No. _____

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SIVS-190 A-17
B.Sc. IVth Semester Degree Examination
Zoology
(Animal Physiology & Biochemistry)
Paper : Z-04

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates :

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

L Answer the following in one word or one sentence each :

(15 × 1 = 15)

- 1) Tone.
- 2) Uricotelism.
- 3) Lysozyme.
- 4) Prosthetic group.
- 5) Pasteur effect.
- 6) Melatonin.
- 7) Expand IUB.
- 8) Resting potential.
- 9) Vasopressin.
- 10) Henle' Loop.
- 11) Goitre.
- 12) Synapse.
- 13) Emulsification.
- 14) Urochrome.
- 15) Cretinism.

- II** A) Write in brief answers on any **Three** of the following : **(3 × 5 = 15)**
- 16) Contractile proteins.
 - 17) Hormones of Neurohypophysis.
 - 18) Ornithine cycle.
 - 19) Transport of Oxygen.
- B) Write in brief on any **Two** of the following : **(2 × 5 = 10)**
- 20) Concepts of Bioenergetics
 - 21) Vitamin C and Vitamin B₁.
 - 22) EMD - Pathway.
- III** A) Write explanatory note on any **Three** of the following : **(3 × 10 = 30)**
- 23) Physiology of Urine formation.
 - 24) Protein digestion.
 - 25) Conduction of Nerve impulse.
 - 26) Mechanism of Breathing.
- B) Write an explanatory note on any **One** of the following : **(1 × 10 = 10)**
- 27) Kreb's cycle.
 - 28) Mechanism of Enzyme action.

