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SIVS 206 A-2K12
B.Sc. IVth Semester Degree Examination
Zoology
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.

L Answer the following in not more than **one** sentence.

- 1) Name the intestinal glands (1×15=15)
- 2) Involuntary function
- 3) Diaphragm
- 4) What are Ammonotellic animals?
- 5) Location of Intercalated disc
- 6) Neurotransmitters
- 7) Name the Target organ of follicle stimulating Hormone
- 8) What is Active Immunity?
- 9) What are haptens?
- 10) Name the sunshine vitamin
- 11) What are lygases?
- 12) ExpandAVN
- 13) Define the term Bioenergetics
- 14) ExpandADP
- 15) Where do you find Rucker's particles?

- II.** A) Write brief answer's on **any three** of the following : **(3×5=15)**
- 16) Absorption of carbohydrates and proteins
 - 17) Origin and conduction of Heart Beat
 - 18) Neuromuscular junctions
 - 19) Ultrastructure of striated muscle.
- B) Write brief answer on **any two** of the following : **(2×5=10)**
- 20) Source and functions of vitamin 'C'
 - 21) Terminal oxidation
 - 22) Explain the mechanism of enzyme action.
- III.** A) Write an explanatory note on **any three** of the following **(3×10=30)**
- 23) Physiology of urine formation
 - 24) Transport of gases
 - 25) Role of sex hormones
 - 26) Non - Specific body defence
- B) Write an explanatory note on **any one** of the following : **(1×10=10)**
- 27) IUB System of classifying enzymes
 - 28) EMP pathway.
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