- (iv) Diffusion
- (v) Effect of substrate concentration on enzymatic reaction.
- (vi) Activation energy.
- (vii) Homogenizer

Q.4B) Write short notes on: (Any three)

(15)

- (i) Enzyme kinetics
- (ii) Single and bi-substrate reaction.
- (iii) Structure of vasopressin and its physiological role.
- (iv) Write a difference between progesterone and follicle stimulating hormone
- (v) E.coli as a model organism.
- (vi) Biochemical investigation of vertebrates.

(i) Enzymes and its classification. (ii) Properties that differentiate an enzyme from a catalyst. (iii) Enzymes that join the ends of two strands of nucleic acids. (iv)Biological catalyst. (v) Role enzymes in the preparatory phase of glycolysis. (vi)Role of enzymes in the payoff phase of glycolysis. Q.1C) Write elaborate notes on: (Any two) (12)(i) Mechanism of enzyme reaction. (ii) Enzyme classification. (iii) Reversible enzyme inhibition and non-reversible enzyme inhibition. (iv) Glycolysis Q.2A) State True or False: (04)(i) Ethylene is not a plant growth hormone. (ii) ACTH is an endocrine hormone. (iii) FSH secreted by ovary.

(ii) ACTH is an endocrine hormone.

(iii) FSH secreted by ovary.

(iv) The chemical name of T₃ is thyroxine.

Q.2B) Answer the following: (Any three)

(i) Senescence

(ii) Autocrine

(iii) Luteinizing hormone

(iv) Function of ADH

(v) Endocrine hormone

(vi) Gibberellin.

Q.2C) Answer the following: (Any two)

(i) Write difference between endocrine and exocrine gland.

(ii) Explain in detail the mode of action of water soluble hormones.

(iii) Describe the hierarchy of the endocrine system.

(iv)Enlist the function of thyroxine.