



SMART TEST SERIES

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Name:		Subject:	Biology-11
Roll # :		Unit(s):	3,
Class:	Inter Part-I	Test:	Type 2 - SQs Test - Marks=40
Date:		Time:	

SHORT QUESTIONS TEST

1- Write short answers to any 7 questions: (7x2=14)

- (i) What are enzymes and coenzymes?
- (ii) Differentiate between Co-factor and Co-enzyme.
- (iii) How is Prosthetic group different from Co-enzyme?
- (iv) Define apoenzyme and co-factor.
- (v) What is enzyme to enzyme chain?
- (vi) Define lock and key model of enzyme.
- (vii) Discuss enzyme concentration in affecting rate of enzyme action.
- (viii) What is meant by inhibitors of enzyme?
- (ix) Differentiate between reversible and irreversible enzyme inhibitors.
- (x) How irreversible inhibitors inhibit enzyme activity?

2- Write short answers to any 7 questions: (7x2=14)

- (i) Define apoenzyme.
- (ii) Define cofactor with example.
- (iii) Give differences between prosthetic group and activator.
- (iv) Differentiate between co-factor and activator.
- (v) What is difference between pepsin and pepsinogen?
- (vi) Why some enzymes are produced in the inactive form? Give example.
- (vii) Define Koshland model of enzyme action.
- (viii) Write the effect of temperature on the enzyme action.
- (ix) How pH affects the rate of enzyme action?
- (x) How substrate concentration effects enzyme action?

3- Write short answers to any 6 questions: (6x2=12)

- (i) Define enzymes.
- (ii) Give role and examples of enzymes activator.
- (iii) What is active site of an enzyme?
- (iv) How does an enzyme accelerate a metabolic reaction?
- (v) Give any two characteristics of enzymes.
- (vi) Give the functions of binding site and catalytic site of the active site of an enzyme.
- (vii) Give the optimum PH values of enzyme pepsin and pancreatic lipase.
- (viii) What are competitive and non-competitive enzyme inhibitors?