



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Biological Sciences

Class: XI

Date: 30.11.2020

## Enzymes

F.M:15

### WORKSHEET – 55

(1x15=15)

i) Enzymatic reactions takes place between

- (1) 10°C -40° C      (2) 5° C-50 °C      **(3) 20° C- 40 °C**      (4) 30°C-70°C

ii) Enzymes have the property of

- (1) Suspensions      **(2) Colloids**      (3) Solutions      (4) All of these

iii) Which of the following is not proteinaceous?

- (1) Hexokinase      (2) Pepsin      **(3) Ribozyme**      (4) Enolase

iv) Which of the following supports the substrate?

- (1) Catalytic group      **(2) Buttressing group**      (3) Coenzyme      (4) Cofactor

v) Pepsinogen is

- (1) Inhibitor      (2) Activator      **(3) Proenzyme**      (4) Prosthetic group

vi) The joining of two different molecules is brought about by-

- (1) Lyase      **(2) Ligase**      (3) Transferases      (4) Hydrolases

vii) Which of the following comes under EC5?

- (1) **Isomerase**      (2) Transaminase      (3) Lipase      (4) Amylase

viii) The most abundant enzyme is

- (1) Peroxidase      **(2) RuBisCo**      (3) Endonuclease      (4) Pectinase

ix) The enzyme shows highest activity at

- (1) Minimum temperature      (2) Maximum temperature      **(3) Optimum temperature**  
(4) None of these

x) Michaelis constant of an enzyme is the substrate concentration at which the reaction attains \_\_\_\_\_ its maximum velocity.

- (1) 1/4      **(2) 1/2**      (3) 3/4      (4) 1/3

xi) Increase in the substrate concentration

- (1) Increases the velocity of enzymatic reaction      **(2) increase velocity and then becomes steady**  
(3) Increases the velocity of enzymatic reaction and then decreases  
(4) Decreases the velocity of enzymatic reaction

xii) Increase in temperature will increase

- (1) Velocity      (2) Collisions of Substrate molecules      (3) Kinetic energy  
**(4) All of these**

xiii) Above 60°C, the enzymes are

- (1) Inactivated      **(2) Denatured**      (3) Both (1) and (2)      (4) None of these

xiv) Bile salt is

- (1) Enzyme      **(2) Activator**      (3) Inducer      (4) Inhibitor

xv) The non protein part of the conjugated enzymes is called-

- (1) Apoenzyme      **(2) Cofactor**      (3) Holoenzyme      (4) None of these

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