

# Question Paper

## Haryana Public School

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Date: \_\_\_\_\_

**Total Marks: 36**

**Time: 30 minutes**

Demo Test VIS

The incorrect statements regarding enzymes are :

1. (A) Enzymes are biocatalysts.  
 (B) Enzymes are non-specific and can catalyse different kinds of reactions.  
 (C) Most Enzymes are globular proteins.  
 (D) Enzyme - oxidase catalyses the hydrolysis of maltose into glucose.  
 Choose the correct answer from the option given below : [4 Marks]

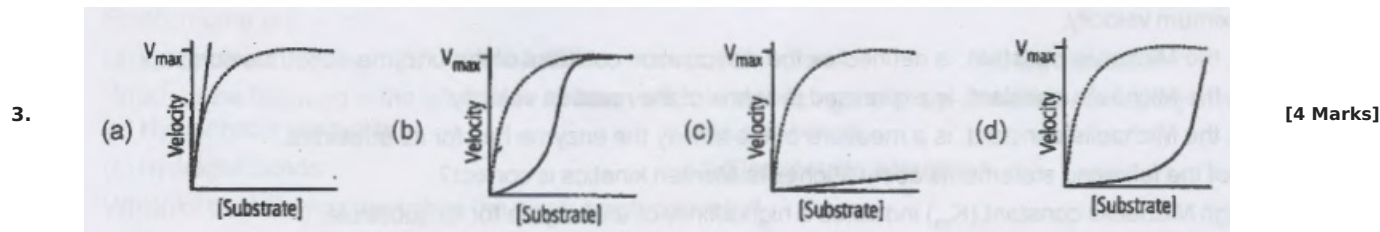
- A) (B), (C) and (D) B) (B) and (D)  
 C) (A), (B) and (C) D) (B) and (C)

Consider the following statement :

2. (A) Coenzyme or metal ion that is tightly bound to enzyme protein is called prosthetic group.  
 (B) A complete catalytic active enzyme with its bound prosthetic group is called apoenzyme.  
 Select the correct option. [4 Marks]

- A) (A) is false but (B) is true B) Both (A) and (B) are false.  
 C) (A) is true but (B) is false D) Both (A) and (B) are true

Which of the following correctly represents the same reaction in which no enzyme is used? Broken line represents the enzyme catalysed reaction for comparison.



- A) d B) c  
 C) b D) a

4. NAD and NADP contain : [4 Marks]

- A) Niacin and Biotin respectively B) Riboflavin and Biotin respectively  
 C) Riboflavin and Niacin respectively D) Niacin and Niacin respectively

5. If P=3212-1232, A=1101 and Q=PAP', then P'Q2015 P is: [2016, online] [4 Marks]

- A) 0201500 B) 2015012015  
 C) 1201501 D) 2015102015

6. What is Partnership Firm Agreement? [4 Marks]

- A) Partnership Act B) Partnership Deed  
 C) Agreement D) Partnership Contract

7. If A=0-110, then which one of the following statement is not correct? [2015, online] [4 Marks]

- A) A4-I=A2+I B) A3-I=A(A-I)  
 C) A2+I=A(A2-I) D) A3+I=A(A3-I)

8. Among the following organic acids, the acid present in rancid butter is: [4 Marks]

A) Acetic acid

B) Butyric acid

C) Lactic acid

D) Pyruvic acid

**9. You have isolated an unidentified liquid from a sample of beans. You add the liquid to a beaker of water and shake vigorously. After a few minutes, the water and the other liquid separate into two layers. To which class of biological molecules does the unknown liquid most likely belong?**

**[4 Marks]**

A) Carbohydrates

B) Lipid

C) Proteins

D) Enzymes