

TEST – 7**CH – 6****BIOLOGY****Time Allowed: 15 Minutes****CLASS 9TH – 2020****Paper: (Objective Type)****Maximum Marks: 12**

Note : Write answers to the questions on the objective answer sheet provided. Four possible answers A, B, C and D to each question are given. Which answer you consider correct, fill the circle in front of A, B, C or D with pen ink to each question on the answer sheet provided.

Q.	QUESTIONS	(A)	(B)	(C)	(D)
1.	The molecule at which enzyme act is called.	Active site	Cofactor	Prosthetic group	Substrate
2.	The term metabolism is derive from which language.	Latin	Greek	German	Arabic
3.	To which group of molecules enzymes belongs?	Carbohydrate s	Lipids	Proteins	Nucleic acid
4.	Which of the following vitamins work as co-enzyme?	Vitamin A	Vitamin D	Vitamin C	Riboflavin
5.	Typsin enzyme work in.	Stomach	Large intestine	Small intestine	Heart
6.	_____ Enzyme work in stomach.	Pepsin	Lipase	Trypsin	Amylase
7.	The optimum temperature for the maximum working speed of Human enzyme is.	27 °C	37 °C	35 °C	0 °C
8.	Starch is broken down by an enzyme called.	Amylase	Lipase	Trypsin	Pepsin
9.	Allmost all enzyme are.	Carbohydrate s	Proteins	Fats	None of these
10.	Enzyme used for the removal of protein stains from clothes is.	Protease	Lipase	Amylase	Pepsin
11.	In 1894 “Lock and KEY Model proposed by”.	Aristotle	Robert Hooke	Emil Fisher	Louis pasture
12.	Specificity of enzymes depend upon	Temperature	Concentration of substrates	Fatty acid and glycerol’s	Ascorbic acid

A B C D**A B C D****A B C D****A B C D****A B C D**

1	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	4	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	7	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	10	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	13	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
2	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	5	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	8	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	11	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	14	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
3	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	6	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	9	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	12	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	15	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D

نوٹ: معروضی سوال نامے کو قلم سے پرہیزیں اور ہر MCQ کی درست آپشن A, B, C, D کو پین کی سیاہی یا مارکر سے اس طرح پُر کریں کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو پُر کرنے یا کاٹ کر پُر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

TEST – 6

CH – 6

BIOLOGY

Time Allowed: 1:45 hours

CLASS 9TH – 2020

Paper : (Essay Type)

Maximum Marks: 48

(PART – I)

2. Write short answers to any FIVE (5) questions: 10

- (i) Define substrate and product.
- (ii) What is difference between Anabolism and Catabolism?
- (iii) Who first used the term enzyme?
- (iv) Write two properties of enzyme.
- (v) Differentiate between Extra cellular and intracellular enzymes.
- (vi) Define metabolism. Name its two types.
- (vii) Define Prosthetic group and co-enzyme.
- (viii) What do you know about active site of enzyme.

3. Write short answers to any FIVE (5) questions: 10

- (i) What is the main use of enzyme in food industry.
- (ii) Write down the name of industries where enzymes are extensively used.
- (iii) Define Co-Enzyme name vitamin which act as co-enzyme.
- (iv) Who gave the concept of metabolism. Also define metabolism.
- (v) Differentiate between Protease enzyme and Amylase enzyme.
- (vi) What is meant by specification of enzyme?
- (vii) Define about Lock and Key Model of enzyme action.
- (viii) Which is called optimum pH?

4. Write short answers to any FIVE (5) questions: 10

- (i) Write down to benefits of Biocatalysts.
- (ii) Define Enzyme.
- (iii) Define inhibitors.
- (iv) Which reactions proceed faster? Enzymes or non-enzymatic
- (v) Describe the effect of temperature on speed of enzyme action.
- (vi) Name of the factors affecting the rate of enzyme action.
- (vii) What is the optimum temperature for human enzymes.
- (viii) How is the activity of an enzyme affected?

(PART – II)

Note: - Attempt any TWO questions.

5. (a) How temperature affects rate of enzyme action. 4

(b) Write Character of enzyme make them specific for substrate. 5

6. (a) What is enzyme? Write the use of enzyme in different industries. 4

(b) Write uses of Enzyme. 5

7. (a) Explain the mechanism of enzyme action. 4

(b) Define Metabolism, Anabolism, and Catabolism. 5