

**TEST – 8****CH – 7****BIOLOGY****Time Allowed: 15 Minutes****CLASS 9<sup>TH</sup> – 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. No.	QUESTIONS	(A)	(B)	(C)	(D)
1.	A chlorophyllous pigment absorbs maximum light in wavelengths of.	Green and blue	Green and red	Green only	Red and blue
2.	ATP was discovered by.	Schwann	J. Purkingi	Darwin	Karl Lohmann
3.	Anaerobic respiration can be termed as.	Photosynthesis	Oxidation reaction	Dark reaction	Fermentation
4.	The covalent bond connecting two phosphates is indicated by	Ratio	Proportion	Tilde	Colon
5.	1 mole ATP how many release calories.	83000	7300	73000	8300
6.	How much ATP molecule are formed during cellular respiration?	40	38	63	36
7.	Energy stored in the chemical bond is.	Potential Energy	Kinetic energy	Elastic energy	Both a and b
8.	In which part of chloroplast dark reactions of photosynthesis take place?	Outer membrane	Stroma	Inner membrane	Thylakoid membranes
9.	Process of glycolysis is found in	Ribosomes	Cytoplasm	Golgi complex	Vacuole
10.	The whole series of light reactions is called.	S-scheme	Z-Scheme	L-Scheme	None of these
11.	Ribose is a _____ carbon sugar.	Two	Three	Five	Ten
12.	Stomata cover only..... of the leaf surface.	1-2%	2-3%	3-4%	4-5%

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D					
1	(A)	(B)	(C)	(D)	4	(A)	(B)	(C)	(D)	7	(A)	(B)	(C)	(D)	10	(A)	(B)	(C)	(D)	13	(A)	(B)	(C)	(D)
2	(A)	(B)	(C)	(D)	5	(A)	(B)	(C)	(D)	8	(A)	(B)	(C)	(D)	11	(A)	(B)	(C)	(D)	14	(A)	(B)	(C)	(D)
3	(A)	(B)	(C)	(D)	6	(A)	(B)	(C)	(D)	9	(A)	(B)	(C)	(D)	12	(A)	(B)	(C)	(D)	15	(A)	(B)	(C)	(D)

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

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**TEST – 7**

**CH - 7**

**BIOLOGY**

**Time Allowed: 1:45 hours**

**CLASS 9<sup>TH</sup> – 2020**

**Paper : (Essay Type)**

**Maximum Marks: 48**

**(PART – I)**

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

- (i) What is Alcoholic fermentation?
- (ii) Define redox reaction.
- (iii) What is ATP? Name the subunits of ATP molecule.
- (iv) Where light reaction take place?
- (v) Define Z-scheme.
- (vi) Define light -dependent reactions.
- (vii) Define photosynthesis.
- (viii) Why it is said that all life depends on photosynthesis?

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

- (i) Write accessory pigments for photosynthesis.
- (ii) Define limiting factors.
- (iii) Difference between aerobic and anaerobic respiration?
- (iv) Define Metabolism
- (v) What is cellular respiration?
- (vi) NADPH stand for what?
- (vii) Write down the commercial uses of fermentation.
- (viii) Write down the main stages of aerobic respiration.

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

- (i) What is pyruvic acid?
- (ii) Describe the summary of glycolysis.
- (iii) Define Krebs cycle.
- (iv) Define electron transport chain?
- (v) What is epidermis?
- (vi) Difference between Photosynthesis and respiration.
- (vii) Why can a branch of leaves inside the flask containing KOH not make food?
- (viii) What are dark reactions?

**(PART – II)**

**Note: - Attempt any TWO questions.**

**5. (a) Define Bioenergetics and explain oxidation reduction reaction in detail. 4**

**(b) Explain Limiting factors in photosynthesis. 5**

**6. (a) What is the role of chlorophyll and light in Photosynthesis? 4**

**(b) Write note on mechanism of Respiration. 5**

**7. (a) Explain Aerobic and Anaerobic respiration in detail. 4**

**(b) State how the varying light intensity, carbon dioxide concentration and temperature affect the rate of photosynthesis? 5**