MDCAT Biology Chapter 6 MCQ's Test

Sr	Questions	Answers Choice
1	How much energy present in chemical bonds of glucose converted into ATP	A. 1% B. 2% C. 5% D. 10%
2	Light absorbing part of chlorophyll is	A. Phytol B. Magnesium C. Pyrrole D. Porphyrin
3	Oxidative phase of glycolysis starts with the dehydrogenation of	A. G3P B. DHAP C. Both D. NADH
4	The final acceptor of electrons in respiratory chain is	A. Cyt. a B. Cyt. a3 C. Water D. Oxygen
5	It contains many types of pigment molecules	A. Antenna complex B. Reaction centre C. Primary acceptor D. All
6	Most of the energy in the cell is liberated by oxidation of carbohydrates when	A. Glucose is converted intoalcohol and CO2 B. Sugar is converted into pyruvic acid C. Pyruvic acid is converted into CO₂ and H₂O D. Pyruvic acid is converted into CoA
7	Which of the following is not absent in cyclic electron flow	A. Photolysis B. Phosphorylation C. NADP reductase D. PS II
8	Which of the following is correct direction showing the pumping of protons in chemiosmosis	A. From stroma to lumen in chloroplast B. From matrix to intermembrane space in mitochondria C. From intermembrane space to matrix in mitochondria D. Both A and B
9	Components of respiratory electron transport chain are	A. 2 B. 3 C. 4 D. 5
10	Indirect ATP is formed during the production of ___ in krebs cycle	A. Isocitrate B. Succinate C. Citrate D. Malate
11	Components of electron transport chain that works in Z-scheme are located	A. In stroma B. In thylakoid membranes C. In lumen of thylakoids D. Outside thylakoids
12	Cytochrome b is oxidized by ___ in respiratory chain	A. Coenzyme Q B. Cytochrome c C. Cytochrome a D. Oxygen
		A. Plastoquinine

13	Iron containing proteins which act as carriers in ETC	B. Cyt. complex C. Plastocyanin D. None
14	Which of the following is not formed during non cyclic phosphorylation	A. ATP B. NADPH C. Oxygen D. G3P
15	Very first product formed from carbon fixation in a calvin cycle	A. Unstable 3C compound B. Unstable 6 Carbon compound C. Stable 3C compound D. Stable 6C compound
16	Color of chlorophyll b is	A. Blue green B. Yellow green C. Orange red D. Yellow orange
17	It is universal hydrogen acceptor	A. ATP B. FMN C. CoA D. NAD
18	How many NADPH are required for the synthesis of one molecule of glucose	A. 3 B. 6 C. 12 D. 18
19	Spectrum which shows the effectiveness of absorbed light	A. Absorption B. Action C. Emission D. Affective
20	Number of ATPs required to phosphorylate RuP molecules in calvin cycle	A. 3 B. 5 C. 6 D. 9