

## MDCAT Biology Chapter 6 MCQ's Test

Sr	Questions	Answers Choice
1	In Krebs cycle hydration occurs during the conversion of	A. Citrate into isocitrate B. Malate into fumarate C. Citrate into malate D. Fumarate into malate
2	In krebs cycle, oxidation takes place in the formation of ___ without decarboxylation	A. Succinate B. Ketoglutarate C. Malate D. Fumrate
3	Pick up the correct one related to tail of chlorophyll	A. Hydrophilic B. Light absorbing C. Porphyrin D. Hydrophobic
4	It is universal hydrogen acceptor	A. ATP B. FMN C. CoA D. NAD
5	Cytochrome b is oxidized by ___ in respiratory chain	A. Coenzyme Q B. Cytochrome c C. Cytochrome a D. Oxygen
6	Light absorbing part of chlorophyll is	A. Phytol B. Magnesium C. Pyrrole D. Porphyrin
7	What happens in the light phase of photosynthesis?	A. ADP is hydrolyzed and NADP is oxidized B. ATP is synthesized by photophosphorylation and NADP is reduced C. ATP is hydrolyzed and NADPH is oxidized D. ADP is hydrolyzed and NADP is reduced
8	Which of the following statement is true for absorption spectra of photosynthesis	A. Chlorophyll a and b have same absorption spectra B. Chlorophyll a and b have different absorption spectra C. Chlorophyll a and carotenoids have same absorption spectra D. Chlorophyll b and carotenoids have same absorption spectra
9	Pick up 5 carbon compound	A. Oxaloacetate B. RuBP C. Ketoglutarate D. Both b and c
10	Which of the following is not absent in cyclic electron flow	A. Photolysis B. Phosphorylation C. NADP reductase D. PS II
11	Splitting of water in sunlight is called	A. Lysis B. Photolysis C. Condensation D. Hydrolysis
12	When equal intensities of light are given, photosynthesis is maximum in ___ part	A. Blue B. Orange C. Red D. Violet
13	Light dependent reaction takes place in ___ of chloroplasts	A. Stroma B. Envelope C. Thylakoids D. Lumen

14	Fermentation is	A. Incomplete oxidation of proteins B. Complete oxidation of carbohydrates C. Aerobic respiration D. Incomplete oxidation of carbohydrates
15	Which of the following oxidizes malate to oxaloacetate in kreb's cycle?	A. ATP B. NADP+ C. NAD+ D. FAD
16	How many molecules of ATP would be utilized for phosphorylation of one glucose molecule during glycolysis?	A. Five B. Four C. Three D. Two
17	Which of the following is not formed during non cyclic phosphorylation	A. ATP B. NADPH C. Oxygen D. G3P
18	In this process pyruvic acid is not used as substrate	A. Alcoholic fermentation B. Calvin cycle C. Aerobic respiration D. Lactic acid fermentation
19	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
20	In this process a carbon dioxide molecule is released	A. Lactic acid fermentation B. Alcoholic fermentation C. Glycolysis D. Hydrolysis of glycogen