

MDCAT Biology Chapter 6 MCQ's Test

Sr	Questions	Answers Choice
1	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
2	The most abundant protein in nature is	A. RuBP B. Rubisco C. Ribulose biphosphate carboxylase D. Both B and C
3	Cytochrome b is oxidized by ___ in respiratory chain	A. Coenzyme Q B. Cytochrome c C. Cytochrome a D. Oxygen
4	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
5	Components of respiratory electron transport chain are	A. 2 B. 3 C. 4 D. 5
6	Color of chlorophyll b is	A. Blue green B. Yellow green C. Orange red D. Yellow orange
7	Which of the following is not formed during non cyclic phosphorylation	A. ATP B. NADPH C. Oxygen D. G3P
8	Pick up 5 carbon compound	A. Oxaloacetate B. RuBP C. Ketoglutarate D. Both b and c
9	In this process a carbon dioxide molecule is released	A. Lactic acid fermentation B. Alcoholic fermentation C. Glycolysis D. Hydrolysis of glycogen
10	Light dependent reaction takes place in ___ of chloroplasts	A. Stroma B. Envelope C. Thylakoids D. Lumen
11	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
12	Number of ATPs produced by aerobic respiration in bacteria	A. 38 B. 36 C. 34 D. 32
13	It contains many types of pigment molecules	A. Antenna complex B. Reaction centre C. Primary acceptor D. ...

		D. All
14	The final acceptor of electrons in respiratory chain is	A. Cyt. a B. Cyt. a ₃ C. Water D. Oxygen
15	Which of the following is a CO ₂ acceptor	A. Rubisco B. Water C. RuBP D. Citrate
16	When equal intensities of light are given, photosynthesis is maximum in ___ part	A. Blue B. Orange C. Red D. Violet
17	Final acceptor of electrons in non cyclic phosphorylation is	A. Cyt. Complex B. ATP C. Photosystem I D. NADP
18	First step of preparatory phase of glycolysis is	A. Dehydration B. Decarboxylation C. Phosphorylation D. Oxidation
19	What actually happens in light dependent reaction	A. ATP synthesis, oxidation of NADP B. ATP hydrolysis, oxidation of NADP C. ATP synthesis, reduction of NADP D. ATP hydrolysis, reduction of NADP
20	In krebs cycle, oxidation takes place in the formation of ___ without decarboxylation	A. Succinate B. Ketoglutarate C. Malate D. Fumrate