

MDCAT Biology Chapter 6 MCQ's Test

Sr	Questions	Answers Choice
1	When equal intensities of light are given, photosynthesis is maximum in ____ part	A. Blue B. Orange C. Red D. Violet
2	Spectrum which shows the effectiveness of absorbed light	A. Absorption B. Action C. Emission D. Affective
3	In Glycolysis the net gain is 2 ATP and 2 molecules of	A. NADH ₂ B. FADH ₂ C. FMNH ₂ D. FAD
4	Oxidative phase of glycolysis starts with the dehydrogenation of	A. G3P B. DHAP C. Both D. NADH
5	Which of the following is not formed during non cyclic phosphorylation	A. ATP B. NADPH C. Oxygen D. G3P
6	Which part of mitochondria is the site of link reaction and kreb's cycle and contains the enzymes needed for these reactions?	A. Outer membrane B. Matrix C. Inner membrane D. Crista
7	Light dependent reaction takes place in ____ of chloroplasts	A. Stroma B. Envelope C. Thylakoids D. Lumen
8	In this process pyruvic acid is not used as substrate	A. Alcoholic fermentation B. Calvin cycle C. Aerobic respiration D. Lactic acid fermentation
9	Which of the following oxidizes malate to oxaloacetate in kreb's cycle?	A. ATP B. NADP ⁺ C. NAD ⁺ D. FAD
10	Iron containing proteins which act as carriers in ETC	A. Plastoquinine B. Cyt. complex C. Plastocyanin D. None
11	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
12	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
13	Which of the following is a CO ₂ acceptor	A. Rubisco B. Water C. RuBP D. Citrate
14	The most abundant protein in nature is	A. RuBP B. Rubisco C. Ribulose biphosphate

carboxylase
D. Both B and C

15 Fermentation is

- A. Incomplete oxidation of proteins
- B. Complete oxidation of carbohydrates
- C. Aerobic respiration
- D. Incomplete oxidation of carbohydrates

16 PEP is converted to ____ by removal of phosphate

- A. Enol pyruvate
- B. Pyruvate
- C. Glyceraldehyde
- D. 3PG

17 In a respiratory chain, each NADH produce ____ATPs

- A. 1
- B. 2
- C. 3
- D. 4

18 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

19 Which of the following is not absent in cyclic electron flow

- A. Photolysis
- B. Phosphorylation
- C. NADP reductase
- D. PS II

20 In this process a carbon dioxide molecule is released

- A. Lactic acid fermentation
- B. Alcoholic fermentation
- C. Glycolysis
- D. Hydrolysis of glycogen