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1st Year Biology Solved Exercise MCQs

NAME:			ROLL NO:		TIME:	10: MIN
SUB:	Biology	Date:			CLASS:	1st Year
SYLLABUS	Chp. 6 (Bioenergetics)		T. MARKS	10	OBT. M	

Q. 1 Choose the Correct Answer. Cutting, Erasing, Double Selection is Strictly Prohibited. (1x10=10)

1. **What main process occurs during the dark reaction of photosynthesis?**
   (A) Release of oxygen (B) Energy absorption by chlorophyll
   (C) Adding of hydrogen to Co_2 (D) Formation of ATP
2. **What is TRUE about glycolysis?**
   (A) It produces no ATP
   (B) It takes place only I aerobic respiration
   (C) It takes place in the mitochondria
   (D) It reduces 2 molecules of NAD+ for every glucose molecules processed
3. **Which of the following are produced by the reaction that occur in the thylakoid and consumed by the reactions that occur in the stroma:**
   (A) CO_2 and H_2O (B) Glucose and O_2
   (C) NADP+ and ADP (D) ATP and NADP
4. **When deprived of oxygen, yeast cells obtain energy by fermentation, producing Co_2, ATP and:**
   (A) Acetyl CoA (B) Ethyl alcohol
   (C) Lactic acid (D) Pyruvic acid
5. **Conversion of Glucose 6-phosphate into Fructose 6-phosphate is:**
   (A) Isomerization (B) Polymerization
   (C) Condensation (D) Phosphorylation
6. **In which of the following conversion, ATP is produced:**
   (A) Alpha Ketoglutaric acid into succinyl CoA (B) Succinyl CoA into succinic acid
   (C) Succinic acid into fumaric acid (D) Fumaric acid into amlic acid
7. **In electron transport chain, FADH: produces how many ATPs:**
   (A) One (B) Two (C) Three (D) Four
8. **Which of these is CO_2 acceptor during photosynthesis:**
   (A) Malic acid (B) Ribulose bisphosphate
   (C) Oxaloacetic acid (D) Phosphoglyceric acid
9. **Which of the following takes the electrons lost by photosystem on absorption of light energy:**
   (A) Ferredoxin (B) Cytochrome
   (C) Cytochrome a^3 (D) Plastocyanin
10. **Photosystem-II makes the electrons lost due to light excitation by taking up the electrons released from:**
    (A) Ferredoxin (B) NADPH: H^+
    (C) Plastocyanin (D) Photolysis of water

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Answer Key							
1	C	**2**	D	**3**	D	**4**	B
5	A	**6**	A	**7**	B	**8**	B
9	A	**10**	D				