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NEET RESPIRATION IN PLANTS — THE RESPIRATORY BALANCE SHEET — PYQS

Max. Marks: 12 **Questions:** 3

Section A (MCQ) — 3 questions

Q.1 How many ATP molecules could maximally be generated from one molecule of glucose, if the complete oxidation of one mole of glucose to CO_2 and H_2O yields 686 kcal and the useful chemical energy available in the high energy phosphate bond of one mole of ATP is 12 kcal? [AIPMT 2006]

(1) 1 (2) 2 (3) 30 (4) 57

Scan or tap for the full solution

Q.2 During which stage in the complete oxidation of glucose are the greatest number of ATP molecules formed from ADP? [AIPMT 2005]

(1) Glycolysis

(2) Krebs' cycle

(3) Conversion of pyruvic acid to acetyl CoA

(4) Electron transport chain

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Q.3 How many ATP molecules are produced by aerobic oxidation of one molecule of glucose? [AIPMT 2002]

(1) 2 (2) 4 (3) 38 (4) 34

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ANSWER KEY

Ques.	1	2	3								
Ans.	**4**	**4**	**3**								