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NEET PHOTOSYNTHESIS IN HIGHER PLANTS — FACTORS AFFECTING PHOTOSYNTHESIS (BLACKMAN'S LAW) — PYQS

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

Section A (MCQ) — 3 questions

Q.1 With reference to factors affecting the rate of photosynthesis, which of the following statements is not correct? [NEET 2017]

(1) Increasing atmospheric CO_2 concentration up to 0.05% can enhance CO_2 fixation rate.

(2) C_3 plants respond to higher temperature with enhanced photosynthesis while C_4 plants have much lower temperature optimum.

(3) Tomato is a greenhouse crop which can be grown in CO_2-enriched atmosphere for higher yield.

(4) Light saturation for CO_2 fixation occurs at 10% of full sunlight.

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Q.2 Photosynthetic Active Radiation (PAR) has the following range of wavelengths. [AIPMT 2005]

(1) 340–450 nm (2) 400–700 nm

(3) 500–600 nm (4) 450–950 nm

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Q.3 Plants adapted to low light intensity have [AIPMT 2004]

(1) larger photosynthetic unit size than the sun plants

(2) higher rate of CO_2 fixation than the sun plants

(3) more extended root system

(4) leaves modified to spines.

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ANSWER KEY

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