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NEET PHOTOSYNTHESIS IN HIGHER PLANTS — SITE OF PHOTOSYNTHESIS AND PIGMENTS INVOLVED — PYQS

Max. Marks: 28 **Questions:** 7

Section A (MCQ) — 7 questions

Q.1 Match **List-I** with **List-II**

List - I		List - II	
A.	Chlorophyll a	I.	Yellow-green
B.	Chlorophyll b	II.	Yellow
C.	Xanthophylls	III.	Blue-green
D.	Carotenoids	IV.	Yellow to Yellow-orange

Choose the option with all correct matches. [NEET (UG) 2025]

(1) A-I, B-II, C-IV, D-III (2) A-I, B-IV, C-III, D-II
(3) A-III, B-IV, C-II, D-I (4) A-III, B-I, C-II, D-IV

Scan or tap for the full solution

Q.2 In photosynthesis, the light-independent reactions take place at [AIPMT 2015]

(1) photosystem II (2) stromal matrix
(3) thylakoid lumen (4) photosystem I.

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Q.3 Stroma in the chloroplasts of higher plants contains [AIPMT 2009]

(1) light-dependent reaction enzymes
(2) ribosomes
(3) chlorophyll
(4) light-independent reaction enzymes.

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Q.4 Chlorophyll in chloroplasts is located in [AIPMT 2005]

(1) Stroma (2) Grana
(3) Pyrenoid (4) Both (1) and (3)

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Q.5 Which fractions of the visible spectrum of solar radiations are primarily absorbed by carotenoids of the higher plants? [AIPMT 2003]

(1) Blue and green (2) Green and red
(3) Red and violet (4) Violet and blue.

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Q.6 Which element is located at the centre of the porphyrin ring in chlorophyll? [AIPMT 2003]

(1) Calcium (2) Magnesium
(3) Potassium (4) Manganese

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Q.7 Which of the following absorbs light energy for photosynthesis? [AIPMT 2002]

(1) Chlorophyll (2) Water molecule
(3) O_2 (4) RuBP

Scan or tap for the full solution

ANSWER KEY

Ques.	1	2	3	4	5	6	7				
Ans.	4	2	4	2	4	2	1				