

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.

Scan or tap for the
full solution



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.

Scan or tap for the
full solution



Q.4 Chlorophyll in chloroplasts is located in

[AIPMT 2005]

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

Scan or tap for the
full solution



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.

Scan or tap for the
full solution



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

Scan or tap for the
full solution



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

- (1) Chlorophyll (2) Water molecule
 (3) O₂ (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				