# Yakeen NEET 2.0 - 2026

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## Cell - The Unit of Life

**(NCERT Booster-07)**

**1.** Correct
A. plastid found in few plants & euglenoids
B. plastid observed under microscope as they are small
C. plastid have pigment, gives colour to plant
D. plastid are of three types on basis of pigment (chromoplast, chloroplast, amyloplast)
E. fat soluble pigment carotenoid present only in chromoplast
(A) 1
(B) 2
(C) 3
(D) 4

**2.** Correct
A. chloroplast contain only chlorophyll pigment
B. pigment trap light energy essential for respiration
C. carotene & xanthophyll present in both chloroplast & chromoplast
D. chromoplast give colour to carrot/chillies
E. during ripening of tomato Chloroplast change into chromoplast
(A) 1 (B) 2
(C) 3 (D) 4

**3.** **Assertion (A) :** Leucoplast is colourless plastid
**Reason (R) :** pigment are absent
(A) Both A and R are true and R is the correct explanation of A.
(B) Both A and R are true but R is NOT the correct explanation of A.
(C) A is true but R is false.
(D) A is false but R is true.

**4.** Leucoplast
A. carotenoid present but chlorophyll absent
B. three types on basis of pigment
C. amyloplast : starch (potato)
D. aleuroplast : protein & elaioplast : oil & fat
Incorrect
(A) 1 (B) 2
(C) 3 (D) 0

**5.** Correct
(A) majority of chloroplast present in mesophyll cells of stem
(B) lens, oval, disc, ribbon like
(C) length : 2 to 10 um & width : 5 to 10 um
(D) one chloroplast present in chlamydomonas placed in plantae kingdom

**6.** Correct
(A) 20 to 40 chromoplast present in mesophyll cells of leave
(B) mitochondria & chloroplast semiautonomous organelle
(C) both have single membrane
(D) inner membrane is more permeable

**7.** Correct
(A) ATP synthesis in ETC. takes place in inner membrane of chloroplast
(B) porins absent in inner membrane
(C) space limited by inner membrane of chloroplast is matrix
(D) flat membranous tubule : thylakoid

**8.** Incorrect
(A) thylakoid present in stroma
(B) thylakoid arrange like piles of coin called grana site of dark reaction
(C) flat membranous tubule : stromal lamellae where dark reaction occur
(D) all except A option

**9.** Correct

A. membrane of thylakoid enclose a space called lumen

B. stroma contain enzymes for synthesis of carbohydrate and protein

C. RUBISCO present in stroma

D. Calvin cycle occur in grana

E. large circular dsDNA in chloroplast

(A) 2 (B) 3

(C) 4 (D) 1

**10.** Correct

(A) all proteins synthesis of mitochondria and chloroplast so called semiautonomous organelle

(B) 80 s ribosome present in chloroplast

(C) ribosome of chloroplast is smaller than cytoplasmic ribosome

(D) None

# Answer Key

| | | | |
|---|---|---|---|
| **1.** | (A) | **6.** | (B) |
| **2.** | (C) | **7.** | (B) |
| **3.** | (A) | **8.** | (D) |
| **4.** | (B) | **9.** | (B) |
| **5.** | (B) | **10.** | (C) |

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