

10. The light in which maximum photosynthesis occurs is:
- a. Black
 - b. Red
 - c. Green
 - d. Blue

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(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

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| 1. Describe the regeneration of RUBP in C ₃ cycle of photosynthesis. | 5 |
| 2. Write the significance of transpiration. Explain the mechanism of transpiration. | 4+6=10 |
| 3. Write the differences between C ₃ and C ₄ pathways of carbon fixation. | 5+5=10 |
| 4. What is red drop? Describe the photorespiration. | 3+7=10 |
| 5. Write short notes on: | 5+5=10 |
| a) Contact Exchange Theory | |
| b) The carrier concept | |

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