

C068

Total Pages : 3

Roll No.

MBOT-509

Plant Physiology

M.Sc. BOTANY (MSCBOT)

2nd Semester Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 40

Note : This paper is of Forty (40) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION–A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Ten (10) marks each. Learners are required to answer any Two (02) questions only.

(2×10=20)

1. Define mineral nutrients and explain role and deficiency symptoms of mineral nutrients.

2. What are plant hormones? Describe the role of ethylene in fruit ripening.
3. Write about seed dormancy, types of dormancy, causes and methods of breaking seed dormancy.
4. Describe in detail the mechanism of stomatal movements with diagram.
5. Define photoperiodism. Discuss its classification.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Five (05) marks each. Learners are required to answer any Four (04) questions only. (4×5=20)

1. Write about Respiratory Quotient.
2. Write short note on soil less culture.
3. Write a short note on Phytochrome.
4. Discuss vernalization.
5. Differentiate between C_3 and C_4 plants.

6. How do plants respond to water stress?
 7. Write briefly about photorespiration.
 8. Discuss about alcohol fermentation.
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