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Roll No. 1222001

B. Sc. (Biotech.)-II Yr.

NS-3471

B. Sc. (Biotechnology) Examination, May 2016

PLANT PHYSIOLOGY

(B-208)

(New)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt any Five questions. All questions carry equal marks.

1. Describe the process of Dark reaction in photosynthesis. 10
2. Describe the different types of photosynthetic pigments present in plants. 10

(2)

3. Describe the process of Nitrogen fixation by plants. 10
4. Write short notes on any two of the following : 5+5
- (a) Ethylene
 - (b) Abscisic acid
 - (c) Cytokinins.
5. Describe the process of mineral absorption by plants. 10
6. Describe the mechanism of anaerobic respiration. 10
7. Write short notes on any two of the following : 5+5
- (a) Photorespiration
 - (b) Krebs' cycle
 - (c) Respiratory Quotient (R.Q.)

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(3)

8. What is seed dormancy? Explain its causes and methods used to break it. 10
9. Write an essay on photoperiodism. 10
10. Describe the mechanism of stomatal transpiration. 10

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