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(20516)

Roll No. ....

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

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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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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