

School of Agriculture
PRIST University, Vallam, Thanjavur-613 403
I. B.Sc (Ag.)-2016-17 Batch -II Semester-Final Practical Examination
16CRP101 Fundamentals of Plant Physiology (2+1)

Time: 2.30 hrs

Date: 04.07.2017

Max. Marks: 40

1. Identify & write the given specimen A to J (10 x 0.5=5)
2. Write short notes on (5 x 2= 10)
 - a) Water potential, b) Transpiration, c) ABA, d) Gibberellic acid, e) Auxin
3. Calculate the leaf area ratio and specific leaf area using below given data (1x10=10)

Crop = Soybean

Plant dry weight (g)

Treatment/DAS	15	30	45	60	75
T ₁	0.225	1.04	3.79	9.50	20.98
T ₂	0.239	1.17	4.40	11.70	33.78

Leaf dry weight (g)

Treatment/DAS	15	30	45	60	75
T ₁	0.140	0.810	2.50	4.20	6.00
T ₂	0.140	0.810	4.25	5.98	7.94

Leaf area (cm²)

Treatment/DAS	15	30	45	60	75
T ₁	679	1132	1451	1814	1620
T ₂	850	1536	1996	2495	2170

4. Record (5 marks)
5. Assignment (5 marks)
6. Viva voce (5 marks)

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