

GURUDAS COLLEGE

B. Sc. SEMESTER IV (General) Examination

Online Practical Examination, 2021

Subject: BOTG

Course: BOT-G-CC-4-4-P

Course Name: PLANT PHYSIOLOGY AND METABOLISM

Full Marks: 30

Date of Examination: 10th Aug, 2021

Time: 12:30pm

Time: 1hr 30min

FM:30

Answer **any three** questions from the followings:

3X10

1. Write the requirements and procedure for the experiment of plasmolysis by *Rheo* leaf. 4+6=10
2. Calculate the rate of transpiration of leaf per cm² area per hour by weighing method. Write the precautions for this experiment. 6+4=10
Initial weight of the set up ----- 103 gm
Final weight of the set up after 1 hour ----- 102 gm
Leaf area ----- 90 cm²
3. Write two examples for each of proteinaceous and fatty seeds. Write the experiment procedure for determining imbibition in that seed types. 4+6=10
4. Write the procedure and observations for the experiment of photosynthesis by using graduated tube. Why *Hydrilla* is used for this experiment? 6+2+2=10
5. Write the requirements and procedure for the experiment of aerobic respiration. Write two precautions for the experiment. Mention the role of KOH used in this experiment. 3+3+2+2=10

Instructions for submission of answer scripts

1. Write the front page/top sheet as per instruction.
2. Scan the pages in sequence and make a single PDF file.
3. Rename file as per instruction.
4. Email the PDF file within the stipulated time to the following

Email IDs:

gcbotgen@gmail.com

genbotg@gmail.com

sem2botg2000GDC@gmail.com