

GURUDAS COLLEGE

B. Sc. (General) Part II (1+1+1 system) Examination, 2021

Online Practical Examination

Subject: BOTG

Subject Category: General

Paper: III

Date of Examination: 27th Jan, 2022

Time: Two hours

Full Marks-50

The figures in the margin indicate full marks

Candidates are required to give their answers in their own words as far as practicable

A. Answer the following questions: 3X5

- a. What are the purposes of using different alcohol percentage grades in the double staining method to study plant anatomy? Write a flow chart of double staining method? 2+3
- b. Write the procedure for the determination of transpiration rate in leaves. 5
- c. Write the differences between mitotic and meiotic metaphase. 5

B. Identify the following Specimen A-E with reasons. 5X5

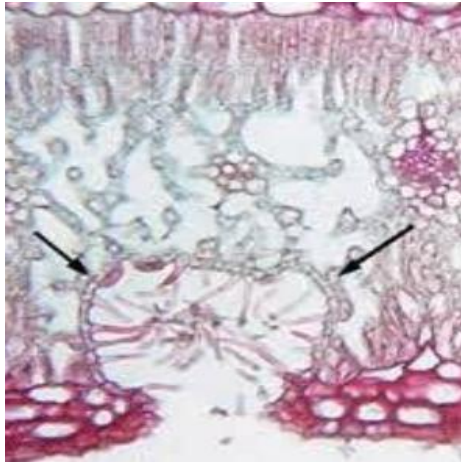
i. Specimen A



ii. Specimen B



iii. Specimen C



iv. Specimen D. (inflorescence)



v. Specimen E (inflorescence)



C. Identify the following plants (F - J). Write scientific name and family only.

2X5

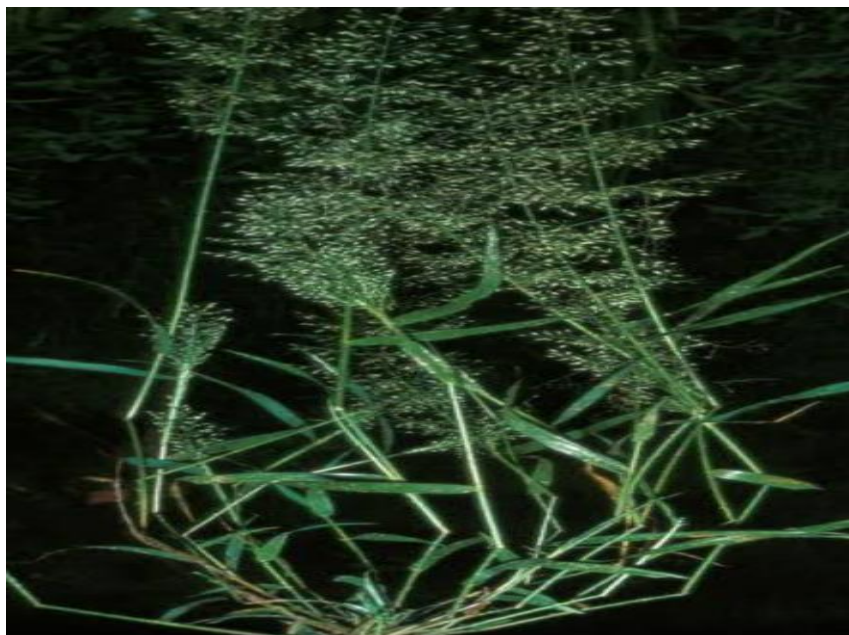
Specimen F



Specimen G



Specimen H



Specimen I



Specimen J



Instructions for submission of answer scripts

1. Write the front page/top sheet as per instruction. Give page numbers on each page.
2. Rename file as per instruction.
3. Email the PDF file within the stipulated time

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gcbotgen@gmail.com

generalbotanygurudacollege@gmail.com

4.