

# GURUDAS COLLEGE

**B. Sc. SEMESTER VI (Honours) Examination**

**Online Practical Examination, 2021**

**Subject: BOTA**

**Course: BOT-A-DSE-A-6-3-P**

**Course Name: MEDICINAL AND ETHNOBOTANY**

**Full Marks: 30**

**Date of Examination: 05/08/2021, 12noon**

Time: 1 Hour 30 minutes

FM: 30

## **Answer any 3 (3x10):-**

1. Write the extraction procedure for tannin. Write 4 chemical tests with this extract to confirm its presence. 2+8=10
2. Draw, label and describe the microscopic observations of *Holarrhena antidysenterica* bark powder 4+2+4=10
3. Write the procedures and observations for the histo-chemical tests of 'curcumin' and 'starch in non-lignified vessel'. 5+5=10
4. Write four chemical tests for the detection of alkaloids. 10
5. Write the organoleptic and microscopic characteristics of *Zingiber officinale* rhizome powder with proper diagram and labelling. 2+8=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: [gcdbot2020@gmail.com](mailto:gcdbot2020@gmail.com)  
[honsbota@gmail.com](mailto:honsbota@gmail.com)  
[botasem4gdc@gmail.com](mailto:botasem4gdc@gmail.com)