

GURUDAS COLLEGE

B. Sc. SEMESTER - II (Honours) Examination, 2021

Online Internal Assessment, 2021

Subject: BOTA

Subject Category: Honours

CORE COURSE-3

Course: BOT-A-CC-2-3-TH

Course Name: PLANT ANATOMY

Date of Examination: 20th July 2021, 12:30PM

All questions carry equal marks

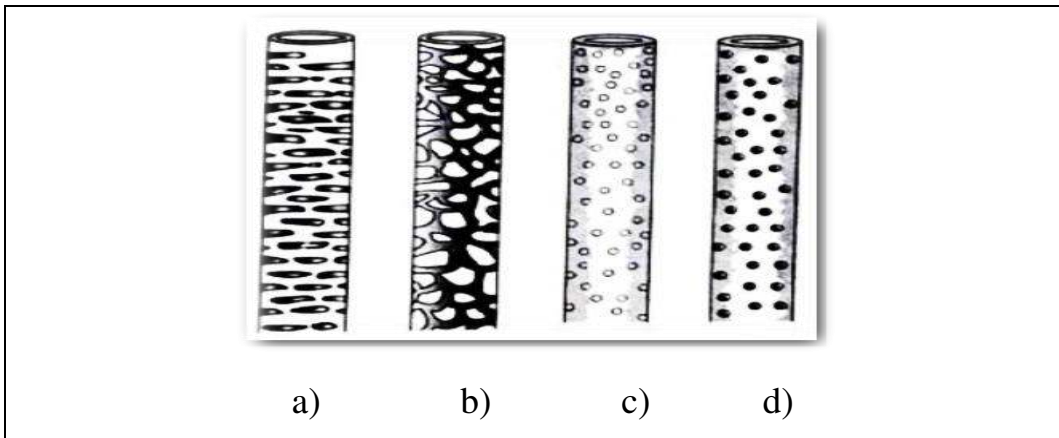
Time: 30 minutes

FM: 10

Answer the following (Any 5):

2X5=10

Q1). Which one of the diagrams is Scalariform type of localized thickening of the cell wall in longitudinal view.



Q2). Anomocytic type of stomata

- a) Remains surrounded by three unequally sized subsidiary cells, among which one is smaller in size than the other two.
- b) Remains surrounded by a pair of subsidiary cells.
- c) Remains surrounded by cells that are not different from other epidermal cells so far as size and shape are concerned.
- d) Remains surrounded by subsidiary cells that are 4-6 in number.

Q3). Meristele is a part of

- a) Protostele
- b) Dictyostele
- c) Solenostele
- d) Atactostele.

Q4). The age of the tree can be determined by

- a) Measuring its diameter
- b) Counting the number of annual rings
- c) Counting the number of leaves
- d) Finding out the number of branches

Q5). Vascular bundles in dicot stem are

- a) Open, conjoint, endarch
- b) Closed, conjoint, endarch
- c) Closed, conjoint, exarch
- d) Open, conjoint, exarch

Q6). In *Zea mays*, calyptrogens gives rise to

- a) Root cap
- b) Epidermis
- c) Cortex
- d) Stele

Q7). ‘Tunica-Corpus’ theory was proposed by

- a) Esau, 1965
- b) Schmidt, 1924
- c) Popham, 1952
- d) Newman, 1961

Q8). An example of mechanical tissue is

- a) Sclerenchyma
- b) Parenchyma
- c) Plectenchyma
- d) Aerenchyma

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:

1. gchonsgen@gmail.com
2. botahons2020@gmail.com
3. gdcexamhons@gmail.com
4. sem1botagdc2020@gmail.com