

UNIVERSITY OF CALCUTTA
FAKIR CHAND COLLEGE CENTRE
B.Sc.(H) Sem II Practical Examination 2021
(BOT-A-CC-3-P)

F.M. 30

Time 1h 30min

Answer any three of the following questions:

- | | |
|---|-------|
| 1 a) Write two identifying characters of diacytic stomata | 2 |
| b) what are sclereids ? | 1 |
| c) Write distinctive characters of cystolith. | 3 |
| d) Draw a labeled picture of aleurone grains. | 4 |
| | |
| 2 a) write identifying characters of raphides | 3 |
| b) Draw a labeled sketch of laticiferous duct. | 5 |
| c) what is double staining ? | 2 |
| | |
| 3. a) Draw a labeled sketch of aleurone grain. | 5 |
| b) Write identifying characters of oil gland | 5 |
| | |
| 4. a) Draw a labeled sketch of dicot stem. | 4 |
| b) Draw a labeled diagram of T.S.of stem of <i>Dracaena</i> .
and comment on the anomalous secondary structure | 3 + 3 |
| | |
| 5. a) Draw a labeled diagram of <i>Nymphaea</i> petiole and write
Its hydrophytic characters. | 5 |
| b) Comment on the identifying characters of <i>Bignonia</i> stem | 5 |

B.Sc. Sem-II
Practical Examination 2021
BOTA
Paper: CC-4(Archaeogoniate)

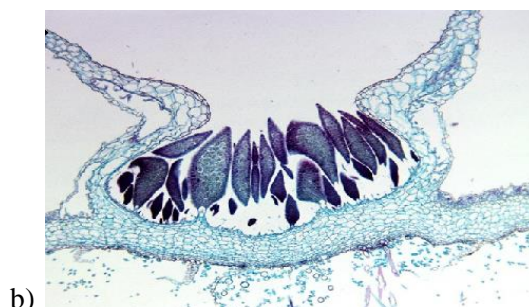
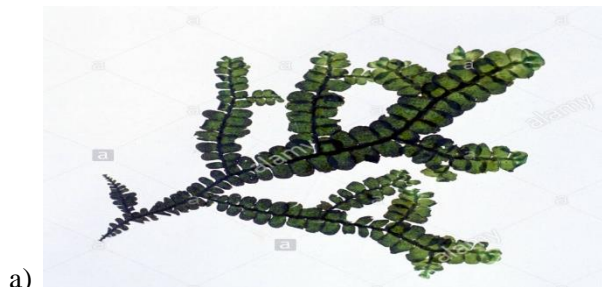
F.M.- 30

Time: 1h 30 mins

Answer **any three** questions:

1. Identify the followings with proper characters:

(2x5)



2. Write down the identifying features of the followings:

(2x5)

a) T.S. of synangium of *Psilotum* sp.

b) L.S. of sporocarp of *Marsilea* sp.

3. Write down the identifying features of the followings:

(2x5)

a) V.S. of thallus of sporophyte of *Riccia* sp.

b) L.S. of spike of *Ophioglossum* sp.

4. Write down the identifying features of the followings:

(2x5)

a) L.S. of female cone of *Ginkgo* sp.

b) L.S. of male cone of *Gnetum* sp.

5. Identify the followings with proper characters:

(2x5)

