GURUDAS COLLEGE

B. Sc. SEMESTER III (Honours) Examination, 2020

Online Internal Assessment, 2020

Subject: BOTA

Subject Category: Honours

CORE COURSE-5
Course: BOT-A-CC-3-5-TH

Course Name: PALAEOBOTANY AND PALYNOLOGY

Date of Examination: 1st March, 2021

All questions carry equal marks

Time: **30 minutes**   **FM:10**

Answer the following (Any 5) :   **2X5=10**

1. Vascular system of *Lepidodendron* is

   a) Plectostele
   b) Siphonostele
   c) Dictyostele
   d) Protostele

2. Geographical distribution of *Rhynia*:

   a) Silurian beds of Victoria, Australia
   b) Raj Mahal Hills of Bihar
   c) Rhynie chert bed of Scotland
   d) Mudstones near Giloba, Newyork.

3. The male fructification of *Williamsonia*:

   a) *Wielandiella*
   b) *Williamsonia*
   c) *Williamsoniella*
   d) *Weltrichia*

4. Which one of the following is an upper Gondwana flora?

    a) *Ptillophyllum*
    b) *Phyllotheca*
    c) *Glossopteris*
    d) *Schizoneura*

5. The formula of 'Sporopollenin' is ranges between

    a) $C_{90}H_{134}O_{20}$ - $C_{90}H_{142}O_{35}$

    b) $C_{901}H_{134}O_{30}$ - $C_{902}H_{142}O_{35}$

    c) $C_{910}H_{200}O_{30}$ - $C_{910}H_{210}O_{35}$

    d) $C_{90}H_{134}O_{310}$ - $C_{90}H_{142}O_{315}$

6. 'Diatomaceous earth' could be formed by mode of

    a) Coalified compression

    b) Petrifaction

    c) Duripartic preservation

    d) Authigenic preservation

7. The first vascular land plant was

    a) *Cooksonia*

    b) *Williumsonia*

    c) *Calamites*

    d) None of them

8. The NPC of pollens of *Hibiscus* sp. is

    a) 764

    b) 765

    c) 665

    d) 664

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 :

a. **botasem2GDC@gmail.com**
b. **gdcexamhons@gmail.com**
c. **honsgenexam@gmail.com**