

**B.sc. SEM 3**  
**BOT-A**  
**CC 5-P (PALAEOBOTANY AND PALYNOLOGY)**  
**Practical Examination**  
**2020**

**Time: 1 hr 30 min**

**FM 30**

**Answer the following questions:**

- |  |     |
|--|-----|
| 1. a) What is form genus? Give an example                                      | 2   |
| b) What are reconstructed fossils? Give an example                             | 2   |
| c) What are living fossils? Mention one example.                               | 2   |
| d) Write down the morphological characters of <i>Ptilophyllum</i> .            | 4   |
|  |     |
| 2. a) What do you mean by carbon dating of fossils?                            | 2   |
| b) Name two fossil Pteridophytes.  | 2   |
| c) Write the names of two fossil Gymnosperms                                   | 2   |
| d) Write the identifying characters of <i>Lyginopteris</i> stem from stem T.S. | 4   |
|  |     |
| 3. a) What are spores and pollens?   | 2   |
| b) What is sporopollenin?  | 2   |
| c) Draw labeled sketch of colpate and porate types of pollen grains            | 3+3 |