

GOVT. DEGREE COLLEGE, BASOHLI

Internal Assessment Test of Semester - 2nd (Session 2019-2020) for promotion to Semester 3rd

Subject: **BOTANY**

Note: All questions are compulsory. The answer should be in detail covering diagrams/figures if required and based on more than one source for high scoring. A medium size notebook shall be used for writing the assignment test and all the assignments relating to one student shall be **submitted together in the College** in one visit latest by **31 August 2020**. (Students shall strictly follow the Covid-19 guidelines issued by the Government during visit to the College such as maintaining social distancing and wearing of face mask).

Theory

Max. Marks: 30

Section-A

Short Answer type questions (3 Marks each).

- Q. 1. Write a short note and draw the diagrams of male and female flowers of *Williamsonia*.
- Q. 2. Describe the structures of male and female flowers of *Ephedra*.
- Q. 3. Explain the Botanical nomenclature and type concept.

Section-B

Long Answer type Questions (7 Marks each).

- Q. 4. What are fossils? Explain the process of fossilization and types of fossils in detail.
- Q. 5. Describe and draw the life cycle of *Pinus*.
- Q. 6. Describe the various theories of origin of Angiosperms. Why Magnolias are treated as primitive angiosperms? Write important primitive characteristics of Magnolia.

Practical

- Q. 1. Describe and draw the structure of male cone and megasporophyll of *Cycas*. (5 marks)
- Q. 2. Describe the floral characteristics i.e. inflorescence, flower, calyx, corolla, androecium and gynoecium of *Hibiscus rosa-chinensis*. Draw the LS of flower and floral diagram. Write the floral formula also. (5 marks)
- Q. 3. Viva-voce.