

Roll No. ....

41211

B. Sc. (Pass Course) 4th Semester

Examination – May, 2019

BOTANY - I (BIOLOGY & DIVERSITY OF SEED PLANTS - II)

Paper : BOT 4.1

Time : Three hours ] [ Maximum Marks : 40

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt five questions in all, selecting one question from each Unit. Question No. 1 is compulsory. All questions carry equal marks.

- 1. (a) What are HOLOTYPE specimens ? 1
- (b) Define CHEMOTAXONOMY. 1
- (c) BUTTERFLY - shaped irregular corolla is characteristic feature of..... family. 1
- (d) Define an EFFECTIVE publication. 1

P. T. O.

41211

- (e) What is a TAXON ? 1
- (f) Define a TRANSLATOR 1
- (g) .....ANDROECIUM occurs in DISC FLORETS of ASTERACEAE. 1
- (h) .....type of PLACENTATION is found in LILIACEAE. 1

UNIT – I

- 2. What are the KEYS of IDENTIFICATION ? Describe their types. 8
- 3. How CYTOLOGY has played an important role in TAXONOMY ? Explain with examples. 8

UNIT – II

- 4. Give merits and demerits of BENTHAM and HOOKER system of classification. 8
- 5. Describe with diagrams the types of INFLORESCENCE. 8

UNIT – III

- 6. Write short notes on :
  - (a) Androecium of LEGUMINOSAE 5
  - (b) Economic importance of MALVACEAE. 3

7. (a) Compare the floral diagrams  
PAPILLIONATAE and MALVACEAE
- (b) Write economic importance and diagnostic  
features of EUPHORBIACEAE.

**UNIT - IV**

8. (a) Compare the GYNOECIUM in SOLANACEAE  
and ASTERACEAE.
- (b) Write a note on BILABATE COROLLA.
9. (a) Give notes on ANDROECIUM of LILIACEAE  
and APIACEAE.
- (b) Give POLLINATION mechanism  
LAMIACEAE.

<https://www.haryanapapers.com>

<https://www.haryanapapers.com>

---

<https://www.haryanapapers.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से