

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023  
(Fifth Semester)

Branch – BOTANY

PLANT SYSTEMATICS & ECONOMIC BOTANY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- The system of naming of organisms was developed by-----  
i) Robert Hooke  
ii) Carolus Linnaeus  
iii) T Schwann  
iv) Earnst Mayer
- Synandrous condition of stamen is commonly found in which of the following families?  
i) Rosaceae  
ii) Rubiaceae  
iii) Cruciferaceae  
iv) Cucurbitaceae
- The family Verbenaceae comes under the order of -----  
i) Lamiales  
ii) Rubiales  
iii) Asteraceae  
iv) Gentianales
- Cyathium inflorescence is seen in -----  
i) Euphorbia  
ii) Cythula  
iii) Hevea  
iv) Tridax
- is the bread wheat which forms the bulk of Indian crop and it is mainly grown in Punjab?  
i) *Triticum vulgare*  
ii) *Triticum aestivum*  
iii) *Triticum dicoccum*  
iv) *Triticum durum*

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)  
(Draw necessary Diagrams)

- a Summarise Engler and Prantl system of classification.  
OR  
b Organize the preparation of herbarium techniques.
- a Explain the salient features of Annonaceae.  
OR  
b Outline the economic importance of Leguminosae.
- a Sketch the floral characters of Asclepiadaceae.  
OR  
b Explain the salient features of Lamiaceae.
- a Describe the floral characters of Amaranthaceae.  
OR  
b Outline the economic importance of Poaceae.
- a Explain the common name and the part of plant used and uses of chickpea.  
OR  
b Narrate the cultivation process of jute.

Cont...

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

(Draw necessary Diagrams)

11. a Outline the Bentham and the Hooker system of classification.  
OR  
b Examine the International code of botanical Nomenclature.
12. a Analyze the salient features of Cucurbitaceae with neat labelled sketches.  
OR  
b Summarise the floral characters and economic importance of Apiaceae.
13. a Outline the vegetative and floral characters of Asteraceae.  
OR  
b Compare the floral characters of Apocynaceae and Acanthaceae.
14. a Highlight the salient features of Orchidaceae.  
OR  
b Outline the economic importance of Euphorbiaceae.
15. a Elucidate the cultivation and harvesting process of paddy.  
OR  
b Identify the binomial common names and uses of cotton and clove.

Z-Z-Z

END