

Roll No. \_\_\_\_\_

[Total No. of Pages : 3

**SVS 318 B-14**  
**B.Sc. Vth Semester Degree Examination**  
**Botany**  
**(Taxonomy of Angiosperms, Economic Botany and Plant Genetic Resource**  
**Management)**  
**Paper - 5.1**

Time : 3 Hours

Maximum Marks : 80

**Instructions to Candidates:**

- i) Answer all the sections,
- ii) Draw diagrams wherever necessary.

**Section - A**

**I. Answer the following.**

**(15×1=15)**

- 1) What is pistillode?
- 2) Write the botanical name of Rose-wood.
- 3) What is coralloid corona?
- 4) Name the family having dumbel shaped stigma.
- 5) What is taxon?
- 6) What is cryopreservation?
- 7) What is field gene bank.
- 8) Who proposed binomial system of nomenclature?
- 9) Expand NBPGR.
- 10) What are narcotic plants? Give an example.
- 11) Name any two primitive Angiosperms.
- 12) Name the types of florets of Asteraceae.
- 13) What is stylopodium?
- 14) What is floral diagram.
- 15) Name the family having obdiplostemonous condition.

**Section - B**

**II. Answer any five of the following (5×5=25)**

- 16) What are Beverages? Write botanical name & uses of two Beverages.
- 17) Write distinguishing characters of family cucurbitaceae & Myrtaceae.
- 18) Write the Rules of ICBN.
- 19) Give the linnaeus system of classification.
- 20) Assign the following plants to their respective family giving two diagnostic characters.
  - a) *Hamelia patens*
  - b) *helianthus annuus.*
- 21) Mention economic importance & scientific name of any two oil yielding plants.
- 22) Match the following

Family	Distinguishing character
a) Apiaceae	1. Interpetiolar stipules
b) Rubiaceae	2. Stylopodiums & cremocarp fruit.
c) Lamiaceae	3. Obliquely placed ovary
d) Liliaceae	4. Presence of bracts & bractioles
e) Amaranthaceae	5. Tricarpeellary syncarpous ovary
	6. Bilipped corolla & didynamous stamens.

**III. Answer any four of the following (4×10=40)**

- 23) Give the salient features of family Euphorbiaceae & write about four economic important plants giving their scientific name.
- 24) Distinguish among the subfamilies of Leguminosae.
- 25) Assign the plants to their respective family, giving economic importance, parts used & Botanical name.
  - a) Coir
  - b) Pepper.
  - c) Sugar cane
  - d) Ashwagandha
- 26) Describe -
  - a) Androecium & Gynoecium of Apocynaceae
  - b) Inflorescence & Fruit of graminae
  - c) Wild life sanctuary
  - d) Corolla of Brassicaceae

- 27) Explain Engler & Prantl system of classification. Mention merits & demerits.
- 28) Place the following genera to their respective family, giving economic importance.
- Rauwolfia Serpentina
  - Metroxylon rumphii
  - Gossypium species.
  - Tectona grandis.
-