

SSR Degree and PG College(A)
Department of Botany
Semester III-Plant Taxonomy, Ecology & Medicinal Botany
Internal I Question Bank

I. Multiple Choice Questions

1. Who is known as the Father of Taxonomy?

- A) Bentham
- B) Linnaeus
- C) Hooker
- D) Engler

Answer: B) Linnaeus

2. The book Species Plantarum was published by:

- A) Bentham
- B) Hooker
- C) Linnaeus
- D) APG

Answer: C) Linnaeus

3. Bentham and Hooker's classification is a:

- A) Artificial system
- B) Natural system
- C) Phylogenetic system
- D) Molecular system

Answer: B) Natural system

4. Engler and Prantl proposed a:

- A) Artificial classification
- B) Natural classification
- C) Phylogenetic classification
- D) Numerical classification

Answer: C) Phylogenetic classification

5. APG stands for:

- A) Angiosperm Plant Group
- B) Angiosperm Phylogeny Group
- C) Angiosperm Phyletic Group
- D) Angiosperm Phylum Group

Answer: B) Angiosperm Phylogeny Group

6. ICN deals with:

- A) Plant physiology
- B) Plant breeding
- C) Botanical nomenclature
- D) Ecology

Answer: C) Botanical nomenclature

7. A Herbarium is:

- A) Seed bank
- B) Garden
- C) Collection of preserved plant specimens
- D) Tissue culture lab

Answer: C

8. Cytotaxonomy is based on:

- A) Flowers
- B) Chromosomes
- C) Seeds
- D) Roots

Answer: B

9. Chemotaxonomy uses:

- A) DNA only
- B) Chemical constituents
- C) Climate
- D) Soil

Answer: B

10. Embryology helps in:

- A) Taxonomy
- B) Physiology
- C) Genetics only
- D) Ecology only

Answer: A

11. Mango belongs to the family:

- A) Rutaceae
- B) Annonaceae
- C) Anacardiaceae
- D) Poaceae

Answer: C

12. Citrus belongs to:

- A) Rutaceae
- B) Orchidaceae
- C) Lamiaceae
- D) Poaceae

Answer: A

13. Pumpkin belongs to:

- A) Poaceae
- B) Cucurbitaceae
- C) Euphorbiaceae
- D) Orchidaceae

Answer: B

14. Sunflower belongs to:

- A) Lamiaceae
- B) Asteraceae
- C) Orchidaceae
- D) Rutaceae

Answer: B

15. Tulsi belongs to:

- A) Poaceae
- B) Euphorbiaceae
- C) Lamiaceae
- D) Orchidaceae

Answer: C

16. Castor belongs to:

- A) Euphorbiaceae
- B) Rutaceae
- C) Asteraceae
- D) Cucurbitaceae

Answer: A

17. Rice belongs to the family:

- A) Orchidaceae
- B) Poaceae
- C) Lamiaceae
- D) Annonaceae

Answer: B

18. Orchid belongs to:

- A) Orchidaceae
- B) Poaceae
- C) Rutaceae
- D) Euphorbiaceae

Answer: A

19. Composite inflorescence (head/capitulum) is characteristic of:

- A) Lamiaceae
- B) Asteraceae
- C) Poaceae
- D) Orchidaceae

Answer: B

20. The economic importance of Poaceae is mainly as:

- A) Timber plants
- B) Cereals and fodder
- C) Medicinal herbs only
- D) Ornamentals only

Answer: B

II. Fill in the Blanks

1. The Father of Taxonomy is _____.

Answer: Carolus Linnaeus

2. Species Plantarum was published in the year _____.

Answer: 1753

3. Bentham and Hooker proposed a _____ system of classification.

Answer: Natural

4. Engler and Prantl proposed a _____ system of classification.

Answer: Phylogenetic

5. APG stands for _____.

Answer: Angiosperm Phylogeny Group

6. ICN stands for _____.

Answer: International Code of Nomenclature

7. A herbarium is a collection of _____ plant specimens.

Answer: Dried

8. Cytotaxonomy is based on _____ studies.

Answer: Chromosome

9. Chemotaxonomy is based on _____ constituents.

Answer: Chemical

10. Botanical gardens help in _____ research.

Answer: Taxonomic

11. Citrus belongs to the family _____.

Answer: Rutaceae

12. Pumpkin belongs to the family _____.

Answer: Cucurbitaceae

13. Sunflower belongs to the family _____.

Answer: Asteraceae

14. Tulsi belongs to the family _____.

Answer: Lamiaceae

15. Castor belongs to the family _____.

Answer: Euphorbiaceae

16. Rice belongs to the family _____.

Answer: Poaceae

17. Orchids belong to the family _____.

Answer: Orchidaceae

18. The inflorescence of Asteraceae is called _____.

Answer: Capitulum (Head)

19. Wheat is a member of the family _____.

Answer: Poaceae

20. Mint belongs to the family _____.

Answer: Lamiaceae

III. Descriptive Questions

1.a) Write the salient features of Bentham and hooker classification

(Or)

b) Describe the Herbarium concept techniques and applications.

2. Systematic study and economic importance of

a) Euphorbiaceae

(Or)

b) Poaceae