

**SSR Degree and PG college(A)**

**Department of Botany**

**Semester II**

**Paper I: Taxonomy of Angiosperms, medicinal botany and Ethnobotany**

**Internal I Question Bank**

**I. Multiple Choice Questions (MCQs)**

1. The system of classification proposed by John Hutchinson is based mainly on

- a) Artificial system
- b) Natural system
- c) Phylogenetic system
- d) Numerical taxonomy

Answer: c) Phylogenetic system

2. The classification system given by Arthur Cronquist is based on

- a) Molecular data only
- b) Morphological characters
- c) Artificial traits
- d) Economic importance

Answer: b) Morphological characters

3. Armen Takhtajan classification emphasizes

- a) Cytology
- b) Phylogeny and evolution
- c) Ecology only
- d) Anatomy only

Answer: b) Phylogeny and evolution

4. Study of chromosomes for taxonomy is called

- a) Morphology
- b) Cytology
- c) Phytochemistry
- d) Ecology

Answer: b) Cytology

5. A place where dried plant specimens are stored is called

- a) Arboretum
- b) Herbarium
- c) Botanical garden
- d) Flora

Answer: b) Herbarium Nomenclature

6. The code that governs plant naming is

- a) ICZN
- b) ICBN
- c) IPC
- d) IUCN

Answer: b) ICBN

7. The scientific name of a plant consists of

- a) One word
- b) Two words
- c) Three words
- d) Four words

Answer: b) Two words

8. The first validly published name is accepted according to the rule of

- a) Priority

b) Typification

c) Publication

d) Citation

Answer: a) Priority

9. The specimen on which a species is based is called

a) Holotype

b) Lectotype

c) Neotype

d) Paratype

Answer: a) Holotype

10. Writing the name of the scientist after species name is called

a) Classification

b) Typification

c) Author citation

d) Identification

Answer: c) Author citation

## II. Fill in the blanks

1. The study of external plant features is called \_\_\_\_.

Answer: Morphology

2. Chemical constituents used in taxonomy are studied under \_\_\_\_.

Answer: Phytochemistry

3. A book containing information about plants of a particular region is called \_\_\_\_.

Answer: Flora

4. A garden with collection of living plants is called \_\_\_\_ garden.

Answer: Botanical

5.A place where trees are grown for study is called \_\_\_\_.

Answer: Arboretum

6.The system of naming organisms using two words is called \_\_\_\_ nomenclature.

Answer: Binomial

7.The international code for plant naming is \_\_\_\_.

Answer: ICBN

8.The process of assigning a type specimen is called \_\_\_\_.

Answer: Typification

9.A name must be effectively and \_\_\_\_ published to be accepted.

Answer: Validly

10.The earliest published name has \_\_\_\_ over others.

Answer: Priority

### III. Descriptive questions

1.A. Discuss the major principles and outline of Hutchinson system of classification?

(Or)

B. . Explain the role of herbaria as taxonomic tool in plant taxonomy?

2.A. Explain the principle of typification in botanical nomenclature?

(Or)

B. write an account on the Rules of priority as per ICN?