Taxonomy

1. **Alpha Taxonomy is**   [   ]

   1. Primitive taxonomy   2. Descriptive taxonomy

   3. Natural taxonomy   4. Taxonomy based on only morphological characters

2. **Sequential order of four basic components of taxonomy is**   [   ]

   A. Classification   B. Nomenclature

   C. Identification   D. Characterization

   1. D B C A   2. A C B D   3.C B D A   4. D C B A

3. **True statement regarding artificial system of classification is**   [   ]

   1. Anatomy is one of the criteria for the system of classification

   2. Number of petals can be the criteria for the classification

   3. Identification of an unknown plant is difficult

   4. 'Species Plantarum' is a natural system of classification

4. **Linnaeus classification of plants is based on**   [   ]

   1. Form   2. Habitat   3.Stamens   4. Vegetative characters

5. **Consideration of many morphological characters is a**   [   ]

   1. Natural system of classification   2. Omega taxonomy

   3. Phylogenetic system of classification   4. Numerical taxonomy

6. **False statements regarding Natural system of classification**   [   ]

   1. Characters of evolutionary importance were not considered

   2. Floral characters were given greater importance since they are conserved

   3. It is an easy means of identification

   4. Lower the taxon more the groups

7. **True statement regarding Bentham & Hooker's classification**   [   ]

   I. It is a natural system of classification

   II. It is published after Darwin's "Origin of Species".

   III. It is the classification of only flowering plants

   IV. They published the book in the name 'Historia Plantarum'

   1. I & II   2. II & III   3. II & IV   4. I, II & III

8. **Total number of cohorts in B & H classification**   [   ]

   1) 15   2) 25   3) 10   4) 21

9. **Natural orders of B & H classification is equal to present day** [   ]

1. Orders   2. Series   3. Families   4. Genera

10.Assertion (A): Grouping of plants into Herbs, Shrubs and Trees is an Artificial system [   ]

    Reason(R): It is not showing any evolutionary tendencies

    1) Both A and R are true and R is the correct explanation of A.

    2) Both A and R are true but R is not the correct explanation of A.

    3) A is true, R is false

    4) A is false, R is true

11. **Match the following** [   ]

    List - I   **List - II**

    A)Historia Plantarum   I. 24 Groups

    B) Species Plantarum   II. Phylogenetic system

    C) Genera Plantarum   III. Herbs, Shrubs and Trees

    D) Families of Flowering plants   IV. Natural system of classification

                                     V. Cohorts

	A	B	C	D			A	B	C	D
1)	III	I	IV	V		2)	IV	V	III	I
3)	III	I	V	II		4)	II	III	IV	I

12. **Cohorts are equal to present day** [   ]

1. Orders   2. Families   3. Series   4.Sub class

13. **Total number of angiospermic families in B & H classification is** [   ]

1) 202   2) 165   3) 199   4) 34

14. **Status of Thalamiflorae in Bentham & Hookers classification is** [   ]

1. Series   2. Sub class   3. Natural order   4. Class

15. **Engler and Prantl's classification is** [   ]

1. Artificial system   2. Natural system   3. APG system   4. Phylogenetic system

16. **True statement regarding phylogenetic system of classification is** [   ]

    I. They are of poet Darwinian period

    II. Primitive plants are placed in the beginning of the classification

    III. It is easy to understand

    IV. Identification of the plants is very easy

    1. I & II   2. II & III   3. I, II & III   4. I, III & IV

17. Considering hundreds of characters and each character is given equal importance in

[   ]

1. Natural system   2. Numerical taxonomy   3. Phylogenetic system   4. Omega taxonomy

18. Number of chromosomes is considered in   [   ]

1. Numerical taxonomy   2. Chemotaxonomy   3. Cytotaxonomy   4. Phylogenetic system

19. Problems of taxonomy, like grouping unrelated taxa, can be solved by   [   ]

1. Chemotaxonomy   2. Natural system

3. Numerical taxonomy   4. Artificial classification

20. Assertion (A): Sexual characters are more useful in Taxonomy   [   ]

Reason(R): Sexual characters do not change much in the evolution

1) Both A and R are true and R is the correct explanation of A.

2) Both A and R are true but R is not the correct explanation of A.

3) A is true, R is false

4) A is false, R is true

21. Number of stamens in mustard plant are   [   ]

1) 5   2) 4   3) 6   4) 10

22. Which of the following can be represented in a floral formula   [   ]

1. Superior ovary, axile placentation   2. Zygomorphic flower, Inferior ovary

3. Petal 5, twisted aestivation   4. Unisexual female flower, perigynous flower

23. Leafy vegetable from fabaceae family is   [   ]

1. *Derris indica*   2. *Crotalaria juncea*

3. *Trigonalla foenumgraecum*   4. *Pisum sativum*

24. Most important identification character of Fabaceae is   [   ]

1. Leaf base   2. Odd sepal   3. Single carpel   4. Corolla aestivation

25. True statement regarding vexillary aestivation is   [   ]

I. Keel petals are fused   II. Standard petal is anterior most

III. Keel petals encloses sex organs   IV. Standard petal is the smallest

1. I & II   2. I & III   3.II & III   4. II & IV

26. Economic use of sun hemp is   [   ]

1. Fiber yielding   2. Medicinal   3. Oil yielding   4. Dye yielding

27. **Plants used as fodder** [   ]

1. *Sesbania, Tephrosia*   2. *Glycine , Arachis*

3. *Dalbergia, Pterocarpus*   4. *Crotalaria, Phaseolus*

28. **Self pollinating plants of Fabaceae are** [   ]

1. *Dolichos, Cicer*   2. *Pisum, Lathyrus*   3. *Dolichos, Pisum*   4. *Lathyrus, Glycine*

29. **Scientific name of Ashwagandha is** [   ]

1. *Solanum nigrum*   2. *Petunia alba*   3. *Withania somnifera*   4. *Datura metal*

30. **Assertion (A): Stamen and petals fall off at the same time in Solanaceae** [   ]

Reason(R): Stamen are epipetalous in Solanaceae

1) Both A and R are true and R is the correct explanation of A.

2) Both A and R are true but R is not the correct explanation of A.

3) A is true, R is false

4) A is false, R is true

31. **Common character of *Solanum, Capsicum* and *Lycopersicon* is** [   ]

1. Pollination method   2. Fruit   3. Inflorescence   4. Economic importance

32. **Inflorescence is panicle in** [   ]

1. *Datura*   2. *Solanum*   3. *Nicotiana*   4. *Petunia*

33. **True statement regarding gynoecium of *Datura* is** [   ]

1. Tetracarpellary   2. Unilocular

3. Free central placentation   4. Carpels arranged obliquely

34. **Common name of *Solanum nigrum* is** [   ]

1. Ashwagandha   2. Day king   3. Kamanchi   4. Thorn apple

35. **Reticulate venation in monocot plant is seen in** [   ]

1. Spanish dagger   2. Sarsaparilla   3. Meadow saffron   4. Glory lily

36. **True statement regarding Liliaceae family is** [   ]

I. Undistinguished perianth   II.Anterior odd tepal

III. Zygomorphic flowers   IV. Trimerous flowers

1) I, II, III   2) I , II   3) II, III, IV   4) I, II, IV

37. **In aerial stem modification is seen in** [   ]

1. *Colchicum*   2. *Gloriosa*   3. *Ruscus*   4. *Smilax*

38. **Gynoecium matures earlier than stamens in** [   ]

1. *Colchicum*   2. *Allium*   3. *Yucca*   4. *Gloriosa*

39. **Stamens in *Allium cepa* are**   **[   ]**

    1. 6 in a single whorl   2. Epiphyllous

    3. Transverse dehiscence   4. Monothecous

40. **Assertion (A): Leaves are radical in *Allium***   **[   ]**

    Reason(R): Entire stem is underground in *Allium*

    1) Both A and R are true and R is the correct explanation of A.

    2) Both A and R are true but R is not the correct explanation of A.

    3) A is true, R is false

    4) A is false, R is true

Taxonomy

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2	4	2	3	1	2	4	2	3	2	3	1	3	1	4	1	2	3	1	1
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
3	2	3	4	2	1	4	2	3	1	2	3	4	3	2	4	3	1	2	1