

Department of Botany

B.Sc. II (Minor) Sem. III

Paper: Plant Taxonomy

Surprise Test

On

19th October 2024



Result of Surprise Test

Sr. No.	Roll No.	Name of the student	Marks obtained out of 10
1.	7878	Shripad B. Jadhav	07
2.	7880	Amrapali Yashwant Kamble	07
3.	7895	Moin Shaikh	07
4.	7888	Sanika Yuvraj Patil	08
5.	7896	Bhakti Bhagvat Shinde	06
6.	7705	Kshitij R. Desai	07
7.	7730	Shruti Shashikant Rasankar	04
8.	7729	Rushikesh Bhagwan Powar	06
9.	7728	Varsha Satyappa Pol	07
10.	7723	Rupesh Sunil Patil	05
11.	7722	Omkar Rajendra Patil	07
12.	7721	Shreya Subhash Navale	05
13.	7717	Harshad Sharad Kurane	07
14.	7713	Prathmesh M. Kamble	06
15.	7711	Srushti Sardar Kadam	08
16.	7709	Tushar Chandrakant Gurav	07
17.	7707	Samruddhi Anil Gavali	08
18.	7363	Sanika Vishnu Chougale	09
19.	7706	Devkate Nilakshi Sunil	06
20.	7703	Manaswi Umesh Chavan	07
21.	7704	Samrudhi Santosh Chendage	07
22.	7714	Vishnavi Vinayak Khade	06
23.	7724	Sanket Rajkumar Patil	06
24.	7883	Harshwardhan Annaso Magdum	07
25.	7950	Sajjad Rasul Jamdar	07


 Teacher Incharge
 (Dr. A. R. Kasarkar)




 HEAD
 DEPARTMENT OF BOTANY
 VIVEKANAND COLLEGE, KOLHAPUR
 (EMPOWERED AUTONOMOUS)

Vivekanand College, Kolhapur (Empowered Autonomous)
Department of Botany
B.Sc. II (MINOR)

Sub: Botany

Time: 2:30 to 3:10 p.m.

Date: 19/10/2024

Teacher Sign: [Signature]

Roll No.	Sign	Roll No.	Sign	Roll No.	Sign
7703	[Signature]	7727		7876	
7704	[Signature]	7728		7878	[Signature]
7705	[Signature]	7729		7879	[Signature]
7706	N.S. Desai	7730		7880	[Signature]
7707		7731		7881	
7708		7732		7883	[Signature]
7709		7733		7888	[Signature]
7710		7734		7889	
7711	[Signature]	7849		7892	
7712		7850		7895	[Signature]
7713		7851		7896	[Signature]
7714	[Signature]	7852		7898	
7715		7853		7899	
7716		7854		7900	[Signature]
7717	[Signature]	7855		7950	[Signature]
7718		7856		7970	[Signature]
7719		7857		7956	[Signature]
7720		7858			
7721		7859			
7722	[Signature]	7860			
7723		7861			
7724	[Signature]	7862			
7725		7863			
7726		7872			

Topic - Unit Test on "Taxonomic Literature"

Sr No	Name of the student	Roll No	Signature
1.	Sonika Yuvraj Patil	7888	<u>Patil</u>
2.	Amrapali Yashwant Kamble	7880	<u>YKamble</u>
3.	Bhakti Bhagavat Shinde.	7896	<u>Bhilde</u>
4.	Kshitij Ranjeet Desai	7705	<u>KShitij</u>
5	Moin Shaikh	7895	<u>Moin Shaikh</u>
6	Shrurad B. Jadhav	7878	<u>Shrurad Jadhav</u>

Surprise Test

B.Sc. II

STUDENT'S NAME

CLASS

ROLL NO.

SUBJECT

DATE

7703

TOTAL MARKS
OBTAINED

Name - Chavan Manasvi Umesh.
paper - II - plant taxonomy.

07
10

Q.1 ICBN stands for - - - -

① Indian congress of Biological Names.

✓ ② International code for Botanical nomenclature

③ International congress of biological

✓ ④ Indian code of Botanical nomenclature

2) The chief ^{chief of} ~~merit of~~ bentham & Haaker classification
is that - - - -

✓ ① It is natural system of classification of all group
of plants.

② A system based on evolutionary concept

③ It is also considered the phylogenetic accepts.

✓ ④ description of taxa are based on actual examination
of the specimens

⑤

⑥ - - - - is a handbook on a single subject or a group
of related subject.

⑦ manuals, ⑧ flora, ⑨ monograph ✓ ⑩ reference book

⑪ ~~re~~-flora is known as - - -

✓ ⑫ electric flora, ⑬ electronic flora, ⑭ elastic flora

✓ ⑮ electrostatic flora.

⑯ The recent information about taxon is given by -

✓ ⑰ book, ⑱ flora, ⑲ journal, ⑳ reference books

Q.2 Short note.

- | | |
|------------------|------------|
| ① Flora | ③ catalogs |
| ② reference book | ④ ICBN |

1) Flora :- Information of plant in particular areas it is known as Flora.

• Types of Flora :-

- ① Local Flora
- ② Regional Flora
- ③ Commercial Flora
- ④

① Local Flora - ~~Intocal~~ Flora The particular area plants are included in local Flora. i.e. mountains, valley, cities. are included in local Flora.

e.g. Flora of Kolhapur, Flora of Maharashtra.

② Regional Flora - The Flora of small geographical area.

e.g. Flora of India.

③ Commercial Flora - The Flora of the large geographical area.

e.g. Flora of Europe, Flora of Australia.

④

e.g. Flora of universe

07
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Name: Shreyas B. Jadhav

Std: BSC II

Subject: Botany minor

Roll no: 7878

Q1) Give important characters of family
Malvaceae & write in detail its
economic importance.

O R

Q2) 1) A. Flora
B. Reference Book

Q2) Short note

1)

A. Flora

→ It is an inventory of information
of plant species in a specified
area.

The plant species growing in a certain
area is called the flora of that
area.

Flora can be differentiated in types
according to its scope:

1) Local flora: The flora of a landmark,
city or even a state is called as
local flora.

eg. Flora of Kolhapur

2) Regional flora: The flora of a
country, a large group of states or
a subcontinent is known as local
flora.

eg. The flora of British India

3) Continental flora: This type consists the flora of a particular continent.

eg. Flora Europaea

4) Comprehensive Flora: This type of flora has the broadest scope of all flora types. The plant species of all around the world are included in it.

eg. Genera plantarum
Species plantarum

B. Reference Books

→ Books that contain information about a subject and explain a variety of topics is known as reference book.

• Reference books are used by both teachers & students.

• Types of reference books:

Dictionaries, encyclopedias, bibliographies, etc.

• Information in reference books is based on facts.

• Topics are placed in such a way that reference books are very easy to use for students.

write in details regarding types of reference book and importance.

4h + 2h = 07

7724.

Patil Sanket Rajkumar
Paper - II :- Plant Taxonomy

1] ICBN stands for International code of Botanical Nomenclature.

a] Indian congress of Biological Name.

✓ b] International code for Botanical Nomenclature.

01 c] International congress of Botanical Nomenclature.

d] Indian code of Botanical Nomenclature.

2] The chief merit of Bentham & Hooker's classification is that

✓ a] it is a natural system of classification of all group of plants.

b] a system based on evolutionary concept.

✗ c] it also considered the phylogenetic aspects.

d] description of taxa are based on actual examination of the specimen.

3] Monograph is a handbook on a single subject or a group of related subjects.

✗ a] manual

b] flora

✓ c] Monograph

d] reference book

4] e-flora is known as electronic Flora.

✗ a] electric flora

✓ b] electronic flora

✓ c] elastic flora

d] electrostatic flora.

5] The recent information about taxon is given by Flora.

✗ a] book

✓ b] flora

c] journal

d] reference book.

9.2. Short Note.

- 1] Flora
- 2] Reference book
- 3] Catalogue
- 4] ICBN

2] Reference Book

→ Reference book is known 'The plant book'.

- Taxonomy of Angiosperm - S. P. Pandey, S. Chand 2001.

- Taxonomy of Angiosperm - V. Singh Rastogi, Publication 2009

- Taxonomy of Angiosperm - V. N. Naik, McGraw Hill Higher Education 1985.

- Plant Systematics - Science Publishers 1999.

- Reference book are a valuable resource of both teachers and students.

- Anatomy, physiology, taxonomists, scientists are teachers.

- Reference book is a handbook on a single subject or a group of related subjects.

07
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U	D	M	M	Y	Y	Y	Y

Name : Amrapali Yashwant Kamble

Roll No : 7880

class : Bsc. II

Subject : Botany Minor

Q. 1. Give the Important characters of Family Malvaceae and write in detail its economic importance

OR

a) Flora

b) Reference book.

Ans. Important characters of Family Malvaceae are bellow :

A) vegetative characters :

i) Habit : Shrub

ii) Root : Tap root

iii) Stem : Upper part is Green in colour, lower part is brown in colour that is semiwoody, branched, Solid, aerial.

iv) leaf : simple, acute apex, Reticulate venation, Green in colour, Serrate margin, Stipulated, petiolated.

B) Reproductive Characters :

i) Inflorescence : Axillary, Solitary .

ii) Flower : Complete, Bisexual, bright in colour, Ebractiate, pentamerous, actinomorphic .

iii) Epicalyx : 5 in number, green in colour, It is an additional ~~part~~ special part of Flower .

iv) Calyx : 5 sepals are present, green in colour, gamosepalous, valvate aestivation .

v) Corolla : 5 petals are present, bright or red in colour, polypetalous, ~~valvate aestivation~~ .
Twisted aestivation .

vi) Androecium : Stamens indefinite, filament short, monadelphous,

vii) Gynoecium : Pentaloeculate, ovary superior, Stigma pentafid, style long, axile placentation,

viii) Fruit : Fruit Capsule .

1) Economic Importance :

- 1) Hibiscus use in worship of God.
- 2) Cotton ~~or fl~~ use f Seed use for oil extraction in oil industry.
- 3) Hibiscus use for decoration.
- 4) Malva and cotton use for fibre extraction.
- 5) Hibiscus also use for oil / making of hair oil.

6/2 = 07