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"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार"
-शिक्षणमहर्षी डॉ. बापूजी साळुंखे

ESTD June 1964
AISHE Code : C-11059
DTE Code : 16125

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR
(AN EMPOWERED AUTONOMOUS INSTITUTE)
2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur -416003
Affiliated to Shivaji University, Kolhapur (M.S.)
NAAC Reaccredited : "A+" (CGPA3.29)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T Govt. of India
ISO 9001 : 2015

Ph.: 0231-2658840, 0231-2658612 | Website :www.vivekanandcollege.ac.in | E-mail :info@vivekanandcollege.ac.in

Founder
Dr. Bapuji Salunkhe
D.Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Principal
Dr. Milind S. Hujare
M.Sc., Ph.D.
Joint Secretary (Finance) &
Life Member, Member Management Body
Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

B. Sc. II "Unit Test"

Organized by

Department of Botany

On

3rd October 2026

Vivekanand College, Kolhapur
ESTD JUNE 1964
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Vivekanand College, Kolhapur

(An Empowered Autonomous Institute)

Department of Botany

B.Sc. II "Unit Test"

3rd October, 2026

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Head
Department of Botany

HEAD
Department of Botany
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Principal
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Vivekanand College, Kolhapur (An Empowered Autonomous Institute) ESTD JUNE 1964

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"Dissemination of Education for Knowledge, Science and Culture"
– Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's.

VIVEKANAND COLLEGE, KOLHAPUR

(AN EMPOWERED AUTONOMOUS INSTITUTE)

Department of Botany

Date: 01/10/2026

To,
The Principal,
Vivekanand College,
Kolhapur (An Empowered Autonomous Institute).

Subject: Permission to conduct "Unit Test"....

Respected Sir,

With reference to above subject, Department of Botany is going to organize Unit Test on "Taxonomic Importance" on 03rd October 2026 for B.Sc. II (Major) students. This will significantly enhance the understanding and stimulate interest of students in subject matter. Kindly request you to give permission for same.

Thanking you,

Yours Faithfully,

Dr. B. T. Dangat 01.10.26
HEAD
Department of Botany
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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VIVEKANAND COLLEGE, KOLHAPUR

(AN EMPOWERED AUTONOMOUS INSTITUTE)

Department of Botany

Date: 01/10/2026

NOTICE

All the students of B.Sc. II (Major) are here by informed that, Department of Botany is going to organize Unit Test on topic "Taxonomic Importance" on Saturday dated 03rd October 2026 at 01:00 pm. All students are requested to present for the same. Attendance is mandatory.

Room No: 311

Tutor: Dr. Abhijeet R. Kasarkar

Dangat 01.10.26

Dr. B. T. Dangat
HEAD
Department of Botany
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Vivekanand College, Kolhapur
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VIVEKANAND COLLEGE, KOLHAPUR

(AN EMPOWERED AUTONOMOUS INSTITUTE)

Department of Botany

"Unit Test: I"

Topic: Taxonomic Importance

Date: 03/10/2026

Question Paper

Marks: 10

Q2. Write short note. (Attempt Any Two)

i. Chemotaxonomy

ii. Morphology

iii. Palynology

iv. Herbarium



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VIVEKANAND COLLEGE, KOLHAPUR

(AN EMPOWERED AUTONOMOUS INSTITUTE)

Department of Botany

"Unit Test: I"

Topic: Taxonomic Importance

Date: 03/10/2026

Attendance

Sr. No.	Name of the Student	Roll No.	Signature
1.	Anagha .V. Mane	7885	Amane
2.	Tanhavi sandesh kambli	7883	Tkambli
3.	Hansika. Yuvraj Patil	7886	
4.	Vaidehi. Rajendra Vyavahare	7893	
5.	Samiksha sanjay kirwkar	7884	Skirwkar.
6.	Sandhyarani Bajirao Parte	7898	Sandhya
7.	Rasika Mangesh Powar	7889	R.M.Powar
8.	Aditi Namdev kamble	7895	Akamble
9.	Shrutika Sayakant Pujari	7890	Spujari
10.	Sakshi kundan Patil	7887	Patil
11.	Ameera · S · Shaikh	7891	Shaikh
12.	Veli Sambhaji Tarlekar	7892	tarlek
13.	Mahesh Ashok Shinde	7899	Shinde
14.	Yogiraj Abhijit Patil	7888	Patil
15.	Vivek Shravan Mane	7897	
16.	Darshan Ramesh Bhoi	7894	Darshan

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Department of Botany

"Unit Test: I"

Topic: Taxonomic Importance

Date: 03/10/2026

Marksheet

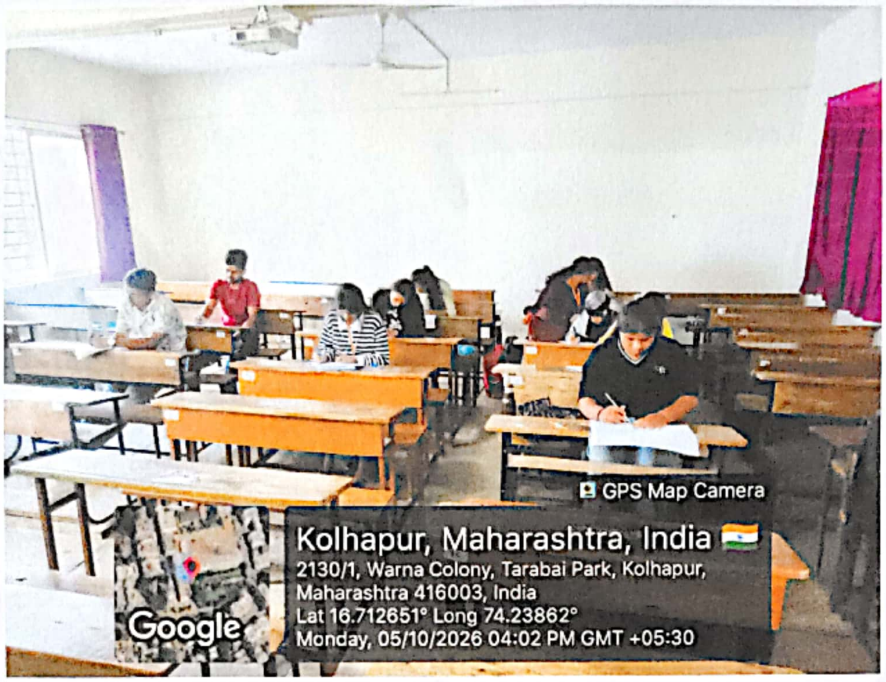
Sr. No.	Roll No.	Marks
1.	7883	09
2.	7884	04
3.	7886	07
4.	7887	08
5.	7888	05
6.	7889	06
7.	7890	08
8.	7891	03
9.	7892	07
10.	7893	04
11.	7894	07
12.	7895	06
13.	7897	07
14.	7898	10
15.	7899	06
16.	7885	08

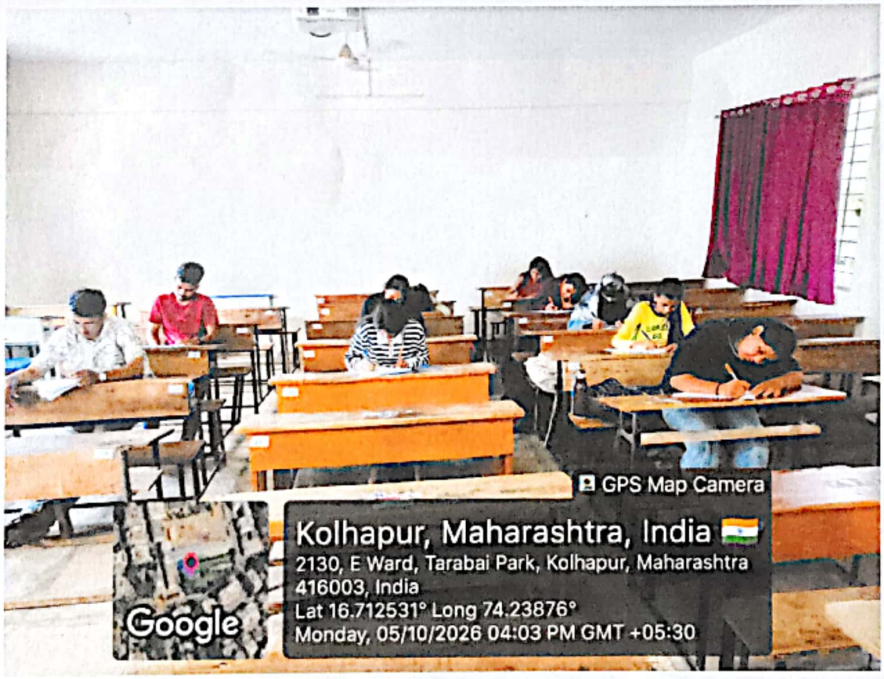
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Tutor:- Dr. Abhijeet R. Kasarkar

HEAD
Department of Botany
Vivekanand College, Kolhapur
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Glimpses of the Unit Test conducted for B.Sc. II (Major) Students by the Department of Botany, Vivekanand College, Kolhapur.

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GoodLuck | Page No.
Date 3 | 10 | 2006

Unit test - 1

Janhavi Sandesh Kambli
7883

09/10

Topic - Taxonomic Importance - 10 Marks

Q1. Write short note on any two:
1. Chemotaxonomy
2. Morphology
3. Palynology
4. Herbarium

2. **Morphology:**

Morphology is easily observable character which helps in taxonomic identification. Morphological characters such as leaf, flower, inflorescence, seed, stem, roots are used for identification. Morphology is easily observable for identification of specific taxonomic groups.

* **Vegetative characters:**

* **growth habit:** It includes herbs, shrubs, trees. It is the nature of plant.
  - **Herb:** height upto 2 foot. Ex - Aloevera
  - **Shrub:** height upto 5 foot. Ex - Rose
  - **Trees:** height upto 7 foot. Ex - Coconut
* **growth habitat:** It is the place where a plant is grown accor for its survival.
  - Hydrophyte - A plant grown in aquatic condition. Ex - Hydrilla

Goodluck

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Unit test - 1

GoodLuck | Page No.
Date

Name = Hansika Yuvraj Patil Marks - 10
Roll No = 7886

07/10 Satisfactory

Importance of taxonomy

Q1] Write Short Note On Any two

Q1] Chemotaxonomy

Q2] Morphology

Q3] Palynology

Q4] Herbarium

Q1] Chemotaxonomy

Ans] i] It is also Known as Chemical taxonomy

ii] Chemotaxonomy is branch which deals with Chemical Substances for Plant taxonomy it used.

iii] In Alkanoids the Nitrogen is present. There Example is Caffine.

iv] In falonoids use is Present in, Plants, Stem, leaves. Where Pigments are present & also in fruits, leaves.

v] essential oil are also Present & it helps in Smell of flowers.

vi] Terpenoids are there in which oil is Present

vii] These Chemotaxonomy is very important for identification Of Closely Similar external plants.

9/h vii] Cafinne is from Caffennoids.

viii] Methnoids from myth.

Goodluck

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03/10/2026

GoodLuck | Page No. | Date

Unit test - I

08/10 Absent

Name :- Sakshi kundan Patil.
Roll No :- 7887

Subject :- Taxonomic Importance mark - 10.

Q.1] Write short Note (Any two).

1) chemotaxomy.
2) Marphology.
3) Palynology.
4) Herberium.

1) Chemotaxomy :-

1) Chemical feature are plants are used in developing of classification or in solving taxonomic problems to called as chemotaxonomy.
2) It is also known as chemical taxonomy.
3) chemotaxonomy have three types
   1) Primary
   2) Secondary
   3) Miscelluance

4) Chemotaxonomy is the flaonites, celconites chemical are present.

5)

2h

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Roll No 7888

DATE / /

Topic Name :- Texonomy

05
10

Q1) Write the Short Note (any two)

1) Palynology

Palynology is it studies the size, shape, structur of pollen grains Characters help in the identification of plant species is usefull in plant classification and taxonomy helps understand the relationship and evolution of plant Fossil pollen grain are for studying past vegetation climate Palynology is also useful and Palae botany

02

2) Herbarium

Collection plant specimens are collected from natural habited Pressed and dried. The dried is mounted on a herbarium sheet Each contains important information as scientific family place of date collector's name. Herbarium helps the identification classification plant it Provides records of plants and is useful for texonomic teaching.

02

3) Chemotaxonomy

chemotaxonomy it is also called chemical taxonomy it studies chemical compound such as alkalodis flavonoids terpends, tannis oils fats proties are the branch amino acids plants having similar chemical constructs may show close evoltions

02

02+2h = 4h = 05

Unit test-1

Roll NO- 7889

Name :- Rasika Mangesh Powar

06/10

Topic – Taxonomy Importance.

Marks – 10

Write short note (Any two)

i] chemotaxanomy
ii] Morphology
iii] Palynology
iv] Herberium

→ Taxonomy importance is the science of identification naming, classification and study of relationships among plant.

i] chemotaxonomy

→ chemotaxonomy is the classification, identification of plants based on their chemicals constituents.

e.g. Alkaloids, flavonoids, tarapanoids protiens, is the chemotaxonomy.

- Alkaloids is chemotaxonomy is example for identification, classification, naming, relationships in plants.
- flavonoids, tarapanoids, proteins in the taxonomy importance of chemotaxonomy.

03