



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI II NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

NOTICE

BOTANY

CERTIFICATE COURSE IN BASIC GARDENING

Students of Botany are hereby informed that a Value-added course in the subject of Botany is scheduled in the month of May. The details are as follows.

Schedule : 18th May 2021 : 27th May 2021

Timing for each day : 10am to 12.30pm

Students will be given Evaluative tests, assignments & Submissions tasks to complete.

Detail program for Basic Certificate Course of Gardening. From 18th May, 2021 --- 27th, May 2021

Timings — 10am --- 12.30 pm/day

HOD Botany & Principal




PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanivancha Award' by Govt, of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)



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Schedule

Session 1.- 10am to 11.15am Session 2.- 11.15 am to 12.30pm

Sr. no	Day & Date	Session	Topic	Faculty/Teacher
1	18/05/2021 Tuesday	1.	Introduction of Horticulture	Dr. Nisha Muni
		2	Soil types, Soil Properties.	Dr. Nisha Muni
2	19/05/2021 Wednesday	1	Manures/fertilizers, Garden tools.	Dr. Nisha Muni
		2	Propagation of plants by seeds.	Ms. Namrata J.
3	20/05/2021 Thursday	1	Seed Propagation Types & Practicals.	Ms Namrata J.
		2	Practicals completion & assignments	Dr. Nisha Muni
4	21/05/2021 Friday	1	Mineral Nutrition by soil, Deficiency symptoms	Dr. Nisha Muni
		2	Landscape Gardening- Introduction	Dr. Anil Avhad
5	22/05/2021 Saturday	1	Home Gardening- Concept, methods & applications & assignments	Dr. Anil Avhad
		2		
6	23/05/2021 Sunday	1	Method of vegetative propagation of various Garden plants. Green house concept	Rajkumar Diwakar
		2		
7	24/05/2021 Monday	1	Gardening- Components & organization techniques. Different ornamental plants	Rajkumar Diwakar
		2		
8	25/05/2021 Tuesday	1	Landscape gardening - Designing by locations for plants. Garden plans public/private.	Dr. Anil Avhad
		2		
9	26/05/2021 Wednesday	1	Evaluative Test -1 (unit-I & II) Gardening- Designing by Locations	Dr. Nisha Muni Dr. Anil Avhad
		2	Application of computers in Gardening.	
10	27/05/2021 Thursday	1	Evaluative Test -2 (unit-III & IV)	Namrata Jaiswal Dr. Nisha Muni
		2	Audio-Visuals of Botanical Gardens	



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Schedule of Value Added Course

Evaluative Test -1 for Unit I & II – 30 marks

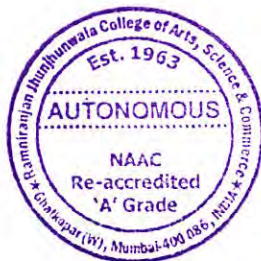
given on 26/05/2021 Wednesday at 10 am to 10.45 am

Evaluative Test -2 for Unit III & IV – 30 marks

given on 27/05/2021 Thursday at 10 am to 10.45 am

Assignments given to perform/write & submit before or on 27/05/2021

1. Germinate different kinds of seeds & identify types of germination. (5marks)
2. Enlist 10 different essential garden tools with their use in gardening. (5marks)
3. Give short write up on-Role of minerals & deficiency symptoms in plants. (5marks)
4. Suggest different alternatives for soil as a growing medium for plants. (5marks)
5. Prepare Garden plans (Public/Private) on paper. (20marks).





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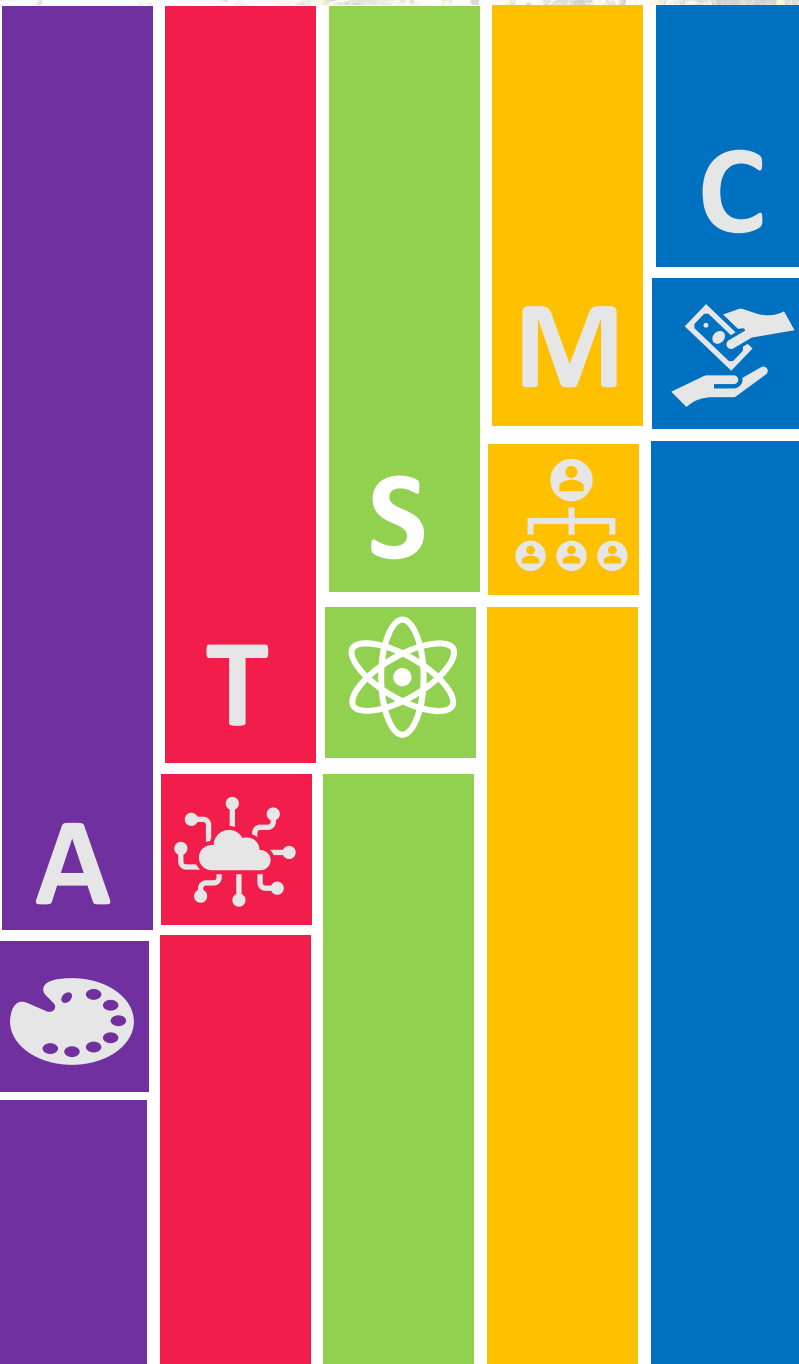
AY 2020 Onwards

Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE (AUTONOMOUS)

(Also known as R. J. College of Arts, Science & Commerce as per UGC Notification)

Affiliated to UNIVERSITY OF MUMBAI II Recognized by UGC under 2f & 12B
NAAC Accredited 'A GRADE' with CGPA 3.50

Knowledge is all Ambrosia



CERTIFICATE COURSE IN GARDENING

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Hindi Vidya Prachar Samiti was incepted on the auspicious day of Shri Krishna Janmashtami, 15th August 1938. A brain child of a visionary Late Shri Nandkishore Singh Jairamji, samiti was established with the objectives of catering to the educational needs of the Hindi speaking community. Ramniranjan Jhunjhunwala College came into existence in 1963, enabling a larger section of the society to take advantage of the facilities provided for higher education.

From 1999-2000 the College has added a number of self-financing courses like B.M.S., B.B.I., B.Sc. in Computer Science, Information Technology, Biotechnology, M.Sc. in Computer Science, Biotechnology and Information Technology as well as add on courses, which further hone the special skills of the students.

The college has been reaccredited with 'A' Grade by NAAC in 2014 with a CGPA 3.50 and received the Best College Award (2007-2008) of the University of Mumbai. The College has been bestowed with IMC "Ramkrishna Bajaj Performance Excellence Trophy", 2010.

The Principal of the college was awarded "Best Teacher" by Government of Maharashtra in 2011.

Government of Maharashtra conferred the college with "JAAGAR JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

Course Code: **RJBOTC17**

Duration: **30** hours

Credits : **02**

LEARNING OUTCOME

Learning Outcome: After completion of the course student will be able to-

- Understand the process of sowing seeds / propagation techniques to grow a plant.
- List the various basic materials & resources required for the development of a plant.
- Distinguish among the different methods of growing plants.
- Analyse the process of Vegetative propagation.
- Appreciate the diversity of plants and selection of gardening.
- To be able to cultivate different vegetables as microgreens & select oxygen donors of indoor gardening.





COURSE CONTENT

<p>Unit I</p>	<p>1. Horticulture: definition, objectives and scope and art of growing plants. Understanding plants and their needs.</p> <p>2. Soil types & requirements, mineral nutrition, mineral deficiencies, Types of fertilisers/manures, watering methods, gardening tools.</p> <p>3. Practicals: Soil analysis – pH, Water holding capacity, composition, by mechanical methods. Identification of various gardening tools, enlisting simple fertilisers & manures used in gardening.</p>
<p>Unit II</p>	<p>1. Methods of propagation by seeds: Structure and types - Seed dormancy, causes and methods of breaking dormancy. Seed storage- Seed banks, factors affecting seed viability, sowing of seeds and raising seedlings. Transplanting of seedlings-methods & precautions.</p> <p>2. Vegetative propagation as a method for garden plants- air-layering, cutting, selection of cutting, collecting season, treatment of cutting, rooting medium and planting of cuttings. Hardening of plants – technique & applications. green house - mist chamber, shed root, shade house & glasshouse.</p> <p>3. Practicals: Kitchen Gardening, Seed germination methods Growing microgreens</p>
<p>Unit III</p>	<p>1. Gardening: definition, objectives and scope Plant Components of a garden with appropriate locations – Herbs, Shrubs, Climbers, Trees, Seasonal flowers and bulbous plants, Trees, shrubs, climbers & creepers, Hanging plants, ferns, orchids and bromeliads, Cacti and other succulents etc.</p> <p>Practicals- Understanding & application of Indoor gardening.</p>
<p>Unit IV</p>	<p>Different types of gardening - landscape and home gardening - parks and its components – Edges, Hedges, Topiaries, Arches, Pergolas, Lawn, Water bodies and aquatic plants, plant materials and design.</p> <p>Introduction to computer applications in landscaping.</p> <p>Practical: Garden planning on paper – Public garden/ Private garden</p>



ASSESSMENT



CONTINUOUS EVALUATION, THEORY AND PRACTICALS (VIRTUAL OR IN LAB) and Assignments

- Total duration of Course--- 30 hrs
- Lecture/ Practicals / videos----- 24 hrs
- Internal Evaluations by mode of Google forms--- 2 hrs (30min/unit)
- Assignments to students/expt. At home -----4hrs.

MEDIUM OF INSTRUCTION

English

PASSING 40

100 MARKS



WHO SHOULD DO

Anyone above XII std. and interested in plants.

IT?



Hindi Vidya Pracher Samiti's

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Certificate of Completion

This is to certify that

Ms. Shraddha Kapare

of Class **F.Y.B.Sc** Roll No. **207**

has successfully completed the **Value-Added Course** in **BASIC GARDENING**

organized by Department of **BOTANY** and conducted from **18 May, 2021 to 27 May, 2021.**

COURSE CODE
RJBOTCI7

Issue Date: 13 July, 2021

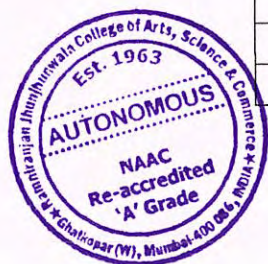


Dr. Himanshu Dawda
In-charge Principal

CERTIFICATE ID: RJC-VAC-307021-004E3

STUDENT COMPLETED Certificate Course in Gardening YEAR 20-21


SR NO	NAME	ROLL NO	CLASS
1	Ms. Shraddha Kapare	207	FYBsc
2	Ms. Taram Kusundal	210	FYBsc
3	Ms. Shraddha Mishra	211	FYBsc
4	Mr. Uttam Vishwakarma	227	FYBsc
5	Ms. Siddhita Chandalya	233	FYBsc
6	Mr. Vikrant Aher	404	FYBsc
7	Ms. Zeba Ansari	405	FYBsc
8	Ms. Neha azmi	406	FYBsc
9	Ms. Siddhi Bendre	409	FYBsc
10	Ms. Anita Chaudhary	410	FYBsc
11	Ms. Trupti Bhalerao	412	FYBsc
12	Ms. Shreya Bhandare	413	FYBsc
13	Ms. Sana Byari	418	FYBsc
14	Ms. Anita Chaudhary	419	FYBsc
15	Ms. Sabiha Choudhary	421	FYBsc
16	Mr. Prathamesh Dhage	432	FYBsc
17	Ms. Ganga Dhami	433	FYBsc
18	Mr. Vivek Dubey	440	FYBsc
19	Ms. Karishma Gupta	455	FYBsc
20	Ms. Pranita Hadawale	462	FYBsc
21	Ms. Alsa Khan	489	FYBsc
22	Ms. Gulsabha Khan	495	FYBsc
23	Ms. Zahira Khandawala	510	FYBsc
24	Ms. Aditi Lanke	513	FYBsc
25	Ms. Anushka Nayak	533	FYBsc
26	Ms. Snehlata Pandey	537	FYBsc
27	Mr. Prathamesh Pansare	538	FYBsc
28	Mr. Munir Patel	540	FYBsc
29	Ms. Deeksha Poojary	546	FYBsc
30	Ms. Devshree Rege	555	FYBsc
31	Mr. Madhukant Sawant	561	FYBsc
32	Ms. Seefa Sayyad	564	FYBsc
33	Ms. Karishma Shah	568	FYBsc
34	Ms. Rafia Bee Shaikh AR	579	FYBsc
35	Mr. Shafiq Shaikh	580	FYBsc
36	Ms. Sumaiya Shaikh	582	FYBsc
37	Ms. Anjana Shrivastava	591	FYBsc
38	Ms. Kalpana Singh	595	FYBsc
39	Ms. Sakshi Soni	602	FYBsc




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40	Ms.Maseera Surve	604	FYBsc
41	Ms. Pragati Varma	610	FYBsc
42	Ms. Ayushi Yadav	620	FYBsc
43	Ms. Diksha Yadav	625	FYBsc
44	Mr. Om Yadav	627	FYBsc
45	Ms. Sheetal Yadav	629	FYBsc




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