

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

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)

20/06/2018

ADMISSION NOTICE FOR POST GRADUATE DIPLOMA PROGRAMS 2018-2019 DEGREE COLLEGE

The admissions of Post Graduate Diploma programs in-

- 1. Dietetics and Applied Nutrition
- 2. Regulatory Affairs
- 3. Clinical Studies Data Management and Medical Writing
- 4. Horticulture and Landscape Designing

will commence from 1st July 2018. Students must fill the form. The eligibility criteria and fee structure is available on the college website. Admission will be on fulfilment of criteria. Students must pay the fees.

Principal

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





accredited

'A' Grade

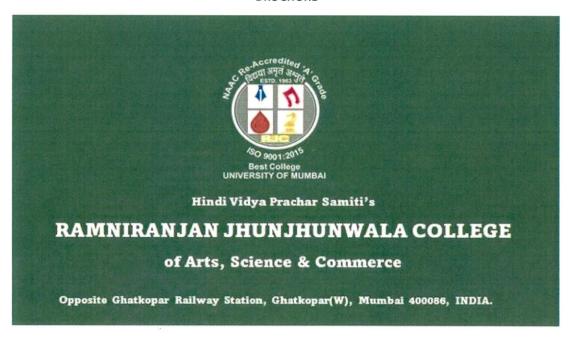
R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(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

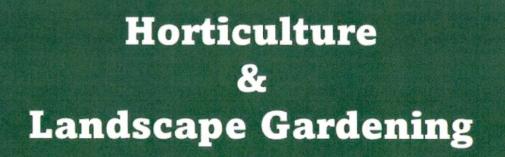
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BROCHURE



Postgraduate Diploma



2019: Star College Status by DBT

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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



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O 5894 Post Graduate Diploma in Horticulture and Title

Landscape gardening

O 5895 Eligibility Bachelor Degree

R 8196 Duration of the Course One Year (Full Time/)

8197 Fee Structure Rs. 10.000/-

8198 Intake Capacity 40 Students

8199 Teacher Qualifications : M Sc Botany, B Sc Agriculture, Horticulture

Standard of Passing R 8200

> a. Candidate who secures minimum 50% marks in each paper be declared to have passed the examination in that subject.

- b. A candidate who fails to secure 50% marks in a paper will be allowed to reappear in that paper.
- c. Candidate can carry forward at his/her option the marks in the paper in which he/she has passed, in such a case student is entitled for award of class
- d. Candidate who secures a minimum of 50% marks in each paper and an aggregate of 60% and above marks on the whole shall be declared to have passed the examination in the First Class.
- e. Candidate who secures a minimum of 50% marks in each paper and an aggregate of 70% and above marks on the whole shall be declared to have passed the examination in First Class with Distinction.

Medium of Instruction

English

Field Visit Various Gardens and Plant Nurseries



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Syllabus for Post Graduate Diploma

Horticulture and Landscape Gardening

Scheme of Examination

Theory

PAPER	TITLE OF PAPER	MAXIMUM MARKS	MINIMUM MARKS	Credits	PAPER CODE
I	Gardening	150	75	12 Credits	PGDHLT001
II	Landscape Gardening	150	75	12 Credits	PGDHLT002

Practicals

Title OF Practicals	MAXIMUM MARKS	MINIMUM MARKS	Credits	PAPER CODE
I Gardening	150	75	12 Credits	PGDHL P001
II Landscape Gardening	150	75	12 Credits	PGDHLP002

Total Credits = 48



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Syllabus for Post Graduate Diploma

in

PG Diploma in Horticulture and Landscape designing

PAPER - I: GARDENING (12 credits)

- 1) Garden Design:
 - Scope and objectives of gardening
 - Style of gardens: Formal, Informal
 - · Types of gardens: English, Mughal and Japanese.
 - Components of garden
 - Planning of outdoor gardens: Small, Residential, Larger Home Garden, Roof Garden, Terrace Garden, Children's garden, School and Institutional Garden, Park, Industrial garden, Housing complex, Indoor gardening
- 2) Garden Features and Ornamentation:
 - Water, Garden pool, Stream, Waterfall, Fountain, Rocks, Roads, Walks, Pavements and Steps, Walls fences and Gates, Hedges, Edges, Arches, Pergolas, Screens and Bridges, Lawns, Flower beds, Borders, Carpet bedding, Shrubberies, Plant containers & raised beds, Statues, Towers, Plant stands, Green House, Conservatories, Night-lights
- 3) Specialized Gardens:
 - Herb garden, Rose garden, Bog garden, Sunken garden, Topiary garden, Kitchen garden, Paved garden, Dish garden, Rock garden, Terrace garden, Water garden & Bottle garden (Terrarium).
- 4) Nursery production and management:
 - Scope, Site, Soil, Environment, Layout, Manure, Fertilizers, Maintenance, Garden tools, Culture
 and Garden calendar, Types, Nursery beds, Pest & Disease management. Hi-tech Nursery.
- Propagation of ornamental plants by seeds, layering, cuttings, grafting, budding & tissue culture.
- 6) Plant disorders including nutrition, pests and diseases, and chimaeras
- 7) Trees and their significance in garden and landscape designing



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- 8) Concept of container / pot garden and designs
- 9) Ground cover plants
- 10) Ornamental ferns and their propagation
- 11) Herbaceous perennials
- 12) Annuals & Biennials: Important Genera and Species, their importance in garden designs
- 13) Orchids: Environment, propagation, potting & compost, nutrient supply, watering, important species
- 14) Morphology of root, stem, leaf, inflorescence, flower, fruit and seeds of plant
- 15) Vegetative propagation techniques: Cutting and its types, Budding and its types, Grafting and it types.
- 16) Propagation of bulb plants: Scaling, Scooping, Bulbils, Division, Cutting



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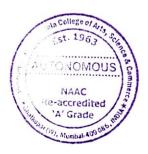


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PAPER - II: LANDSCAPE DESIGNS AND FLORICULTURE (12 Credits)

- Landscape Design: Definition, objectives and scope, Landscape elements of construction and designing of Residential, Commercial, Bungalow, Public area, Hotel, Educational Institute and religious places
- 2) Computer application in landscape
- Palms and Cycas: Characteristics, propogation, culture, pest and disease, importance and uses, genera and species of palms and Cycas.
- 4) Bamboo and conifers: Genera, species and varieties
- 5) Shrubs: Different types
- 6) Climbers and Bougainvillea: Different types
- 7) Hedges for gardens & farms
- 8) Lawns & Grasses: Planting methods, maintenance, pest management
- 9) Ornamental succulents, Cacti and Aquatic plants
- 10) Polyhouse technology: Scope and objectives of floriculture.
 - Cultivation practices of following cut flowers in polyhouse: Gerbero, Anthurium, Carnation,
 Roses
- 11) Development of flowerbeds and their designs
- 12) Preparation of Bonsai and Flower Arrangement
- 13) Application of tissue culture
- 14) Global Warming, Carbon Credit, Rainwater Harvesting and Green Building Concept
 - Visits to Gardens, Nurseries, Agriculture Colleges/Universities, Exhibitions, Polyhouses, Flower shows etc.
 - In-house Training



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Practical I: Horticulture (12 credits)

- 1. Preparation of garden layout: Public, private, formal and Informal
- 2. Identification of plants suitable for different garden locations.
- 3. Methods of Preparing dish garden, bottle garden (terrarium), bonsai.
- Plant propagation practices by seeds, vegetative propagation, cutting, budding, layering, grafting. Propagation of bulbous plants: scaling, scooping.
- 5. Seed beds, nurseries and maintenance.
- 6. Identification of plants as green manures.
- Identification of plant diseases and pests: viral (leaf curl, yellow mosaic), bacterial (wilt and cankers), fungal (rust, smut, wilt, blight, powdery mildew), non insect pests (nematodes and rodents)
- 8. Different types of pots and potting medium
- 9. Garden tools and implements.
- 10. Soil tests: Types of soil, water holding capacity, field capacity, Electrical conductivity, pH.
- 11. Study of irrigation techniques, water conservation.
- 12. Visual diagnosis of nutrient deficiencies and toxicity in the field
- 13. Identification of weeds. Methods of weed control.

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Practical II (12 credits)

- 1. Landscape designing
- 2. Methods of making lawn, turf
- 3. Identification of ornamental succulents, aquatic plants.
- 4. Flower arrangement: Western and Japanese style
- 5. Organic fertilizers: Farmyard manure, Compost, vermicompost, biofertilisers

Field Visit: Visit to various gardens (public and private) and plant nurseries

Project Work: Includes Internship

References:

- 1. Arora J S (1990). Introductory Ornamental Horticulture, Kalyani Publication.
- Bailey L H 1901. The Standard cyclopedia of Horticulture, volume 1,2 and 3 Macmillan Publications.
- 3. Bose T K and Mukerjee D 1987, Gardening in India, Oxford Book House
- 4. Chauhan V S Vegetable Production in India. RamPrasad and Sons
- 5. Kumar N 1989 Introduction to Horticulture, Rajalakshmi Publications.
- 6. Manibhushan Rao 1991. Text book of Horticulture, Macmillan Publications.
- 7. Shujnrnoto, 1982. The Essentials of Bonsai, David & Charles, Newton.



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Post Graduate Diploma Program in Horticulture and Landscape Designing

REPORT

The Post Graduate Diploma Program in Horticulture and Landscape Designing aims at encouraging students to take a sustainable way of life and make the planet green. The program commenced in 2nd August 2018 and lectures were conducted on various topics. Practicals were held to give students hands-on training on various aspects of gardening. Students were taught AutoCAD for designing. Students were taken to field trips and flower exhibitions. The program is a weekend program, and the resource persons were Dr. Usha Mukundan, Ms. Namrata Jaiswal, Mr. Yashesh Mirgal. There was continuous evaluation along with practicals and the program was conducted in two semesters.

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PHOTOGRAPHS OF THE CERTIFICATE DISTRIBUTION PROGRAM OF HORTICULTURE AND LANDSCAPE DESIGNING 2018-2019 BATCH







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POST GRADUATE DIPLOMA PROGRAM IN HORTICULTURE AND LANDSCAPE DESIGNING

LIST OF STUDENTS WHO COMPLETED THE COURSE

Roll no.	Name of Student
1	Chelkar Mohammaddanish Dildarahmed
2	Jalasha Sally D'costa
3	Deshmukh Hitesh Ramdas Ranjana
4	Vishakha Deshmukh Avinash
5	Jadhav Nitin Laxman Ramji Savita
6	Jangam Mayur Mangesh Payal
7	Kadam Akshata Gajanan Smita
8	Karkera Vidya Shiva Janki
9	Kedari Sweta Dhondu Savita
10	Khandekar Vijay Sukhdeo Sugandha
11	Khot Vibhawari Pandurang Sugandha
12	Lad Prachitee Abhay Anagha
13	Vijaya C.Menon
14	Mohite Ninad Narendra Namrata
15	More Bhakti Narayan
16	Nakka Beulah Surya Nakka Charlotte
17	Panchal Dhara Rakesh Premila
19	Pawar Vaibhavi Pramod Pritam
20	Petkar Atif Najir Rukaiya
21	Raghunathan Shreya Rita
22	Satpute Akshay Avinash Ashwini
23	Shambhavi Sawant Dhiraj
24	Shaikh Mohammad Yusuf Mohammad Rasool Lalbi
25	Singh Suraj Achhaiber Savitri
26	Srivastava Amrish Hirday Prakash Uma Srivastava



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27	Surve Sailee Tushar		
28	Tatiwala Zainab Ibrahim Savitri		
29	Tilekar Prachi Madhukar Swati		
30	Uke Aniket Ashok Asha		
31	Yelve Vikrant Vilas Bhargav		
32	Zinjal Pranali Arjun Suvarna		
33	Terse Tejaswini Dattaram Darshana		
34	Bhosle Disha Laxman		
35	Mali Swapnil Suresh Mangala		
36	Tawde Chandrahas Govind Draupadi		
37	Behera Dinesh Parshuram Pushpa		
38	Thorat Vivek Balu Asha		
39	Burondkar Taslima Usman Nurjahan		
40	Sawant Rushikesh Damodar Darshana		
41	Namrata Sushant Jadhav		
42	Jadhav Surekha Pandurang Vasanti		
43	Nadar Abel Packiadurai		



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CERTIFICATE OF MERIT



This is to certify that

Jalasha Sally D'costa

has secured

'A+' Grade

in Postgraduate Diploma in **Horticulture and Landscape Gardening** in the examination held in Aug, 2019.

Controller of Examination

Certified as TRUE COPY

Principal

Principal

Ramniranjan Jhunjhunwala College, Ghatkopar (W), Mumbai-400086.