Hindi Vidya Prachar Samiti's

Ramniranjan Jhunjhunwala College of Arts, Science & Commerce

(Empowered Autonomous College)

Affiliated to

UNIVERSITY OF MUMBAI

Syllabus for the T.Y.B.Sc. (under NEP 2020)

Program: B.Sc. BOTANY

Program Code: RJSUBOT

Course code: RJFPBOT351

Field Project

Semester V

(Revised syllabus in alignment with the NEP 2020 facilitating the inter and multidisciplinary learning and multiple entry and exit of the students)

Level 5.5

(CBCS)

Revised and to be implemented from 2025-2026

Preamble

The National Education Policy 2020 aims at imparting skill-based learning and caters to the multiple entry and exit facility for the students thus empowering them to acquire knowledge at their pace in the three-year UG program, the student has two exit options. Students also have the option of choosing the Honors program of four years of study in each discipline and later converting it to a five-year integrated PG degree program. As an undergraduate student, he/she learns the core subject (Major), a subject complementing the core subject (Minor), a course from another discipline (OEC or GEC) Vocational and Skill Enhancement course from the Major (VSEC). The remaining verticals under NEP 2020 are IKS (Indian Knowledge System), AEC (Ability Enhancement Course), VEC (Value Education Course) and with progressive three years of UG, student also completes at different levels OJT (On Job Training), FP (Field Projects), CEP (Community Engagement Programme) , RP (Research Project) which helps him/her in understanding their roots, application of the knowledge for the benefit of self and the society. Vertical CC (Co-curricular activities and activities related to yoga and human well-being) helps in preparing youth with good character and interpersonal relationships.

Credit Structure for B. Sc. Semester V Major Subject: Botany as per NEP 2020

Implemented from the academic year 2025-2026 Level 5.5

Courses	Credits	Total Credits	Course Titles
Discipline Specific Course (DSC) Theory I Biomolecules and Cell Biology	4	12	RJDSCBOT351
Discipline Specific Course (DSC) Theory II Reproductive Biology of Angiosperms	4		RJDSCBOT352
DSC Practical I: (Biomolecules and Cell Biology)	2		RJDSCBOTP351
DSC Practical II: (Reproductive Biology of Angiosperms)	2		RJDSCBOTP352
Discipline Specific Elective (DSE) I Theory Palaeobotany	2	4	RJDSEBOT351
Discipline Specific Elective (DSE) I Practical Palaeobotany	2		RJDSEBOTP351
Discipline Specific Elective (DSE) II Theory Environmental Botany	2	4	RJDSEBOT352
Discipline Specific Elective (DSE) II Practical Environmental Botany	2		RJDSEBOTP352
Vocational Skill Course (VSC) Practical Systematic Botany	4	4	RJVSCBOTP351
Field Project (FP)/CEP	2	2	RJFPBOT351/ RJCEPBOT351
Total Credits	22	22	

***As per University Grid**

SEMESTER	:	V CORE SUBJECT
TITLE OF THE SUBJECT/COURSE	:	FIELD PROJECT
COURSE CODE	:	**RJFPBOT351**
CREDITS	:	02
DURATION	:	60 HOURS

LEARNING OBJECTIVES
1. Understand the Biodiversity in the field
2. Understand the soil conditions vegetation prevalent in the area, conservation strategies
3. Learn organizational skills, teamwork, resilience

COURSE OUTCOME NUMBER	On completing the course, the student will be able to:	PSO Addressed	BLOOMS LEVEL
CO1	Identify plants in the area. Understand the type of vegetation prevalent and corelate with the meteorological conditions of the place	1,3, 5	BT Level I, II, IV remember, apply, draw conclusions

Course Content: 2 Credits

Duration 60 Hours

The department of Botany will organize minimum 4 field trips with special reference to the study of floristics in the regions and able to identify the genus and species using cook's flora. Students will learn about authentication of plant material, requirements of National Biodiversity Board and how to preserve the flowering plants, herbariums, digital herbariums, use of AI in plant identification.

Field Project Undergraduate level

Submission of Field Report

Course Code: RJFPBOT351

CREDITS: 2 MARKS 50

Name and Signature of the Faculty: _____

Dept. Of_____Course Code_____

Date_____

UID No_____Roll No_____

Marks_____/50

Name of the student: _____

Title of Assignment:

_____

Assessment Grid:

Place one tick in each appropriate row. Overall marks should reflect the positions of ticks in the individual rows. In boxes that have more than one set of marks, cancel out the marks that are not applicable and circle the correct marks.

Project work and report should include the following Parameters	**Marks**	**80 – 100% Excellent**	**60 -80% Good**	**40 – 60% Satisfactory**	**20 – 40% Average**
Project work done Collection of information	20	20 / 19	18 / 17	16 / 15	14 /13
Compilation and analysis	20	20 / 19	18 / 17	16 / 15	14 /13
Conclusions	10	10 / 9	8 / 7	6 / 5	4 /3

Mapping of the course to Local/ Regional/National/International relevance

Class	Course Name	Course Code	Local relevance	Regional relevance	National relevance	International relevance
T.Y.B.Sc. Botany Major	Field Project	RJFPBOT351	✔	✔	✔	✔

Mapping of the course to Employability/ Entrepreneurship/Skill development

Class	Course Name	Course Code	Topic focusing on Employability/ Entrepreneurship/ skill development	Employability/ Entrepreneurship/ Skill development	Specific activity
T.Y.B.Sc. Botany Major	Field Project	RJFPBOT351	Domain Knowledge, teaching, research	Organizational skills, teamwork, event management	Field trips

Integration of Cross cutting Issues

Class	Course Code	Cross Cutting Issues
Botany Field Project	RJFPBOT351	Ethics, UNSDG 4, 12, 13,14,15 NEP 2020 Interdisciplinary/Multidisciplinary