

B.Sc. BOTANY
III Year: Semester-V
Paper-1A: Biodiversity & Conservation

DSE-1A

Credits-1

Practical Syllabus

(30 hours)

1. Study on local biodiversity: Herbs, shrubs and trees; Seasonal, Annual, biennial and perennial plants.
 2. Study of morphological characteristics of plant communities: Hydrophytes (*Eichhornia*, *Hydrilla*, *Pistia*, *Nymphaea*, *Vallisneria*), Xerophytes: (*Asparagus*, *Opuntia*, *Euphorbia milii*, *Casuarina*, *Calotropis*).
 3. Assessment of biodiversity
 - i) Avenue trees: *Pongamia pinnata*, *Butea monosperma*, *Spathodea* sp., *Delonix regia*, *Jacaranda mimosifolia*, *Cassia fistula*, *Mimusops elengi*, *Acacia leucophloea*, and *Albizia lebbbeck*.
 - ii) Ornamental Plants: Any five locally available ornamental plants.
 - iii) Timber Value: *Acacia nilotica*, *Tectona grandis* and *Azardirachta indica*
 - iv) Fruits: *Mangifera indica* (Mango), *Ziziphus mauritiana*, *Psidium guajava* (Guava), *Annona squamosa*
 - v) Nuts: *Anacardium occidentale* (Cashew), *Terminalia catappa* (Badam)
 - vi) Beverages: *Madhuca indica*, *Camellia sinensis* (Tea), *Coffea arabica* (Coffee), *Borassus flabellifer* (Toddy palm) and *Caryota urens*
 - vii) Medicinal value: *Catharanthus roseus*, *Tinospora cordifolia* and *Phyllanthus emblica*, *Ocimum* sp., and *Azardirachta indica*
 4. Field trip: Collection of plants from the field, identification and preparation of Herbarium.
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SEMESTER - V						
27.	ELS5	English (First Language)	3	3		
28.	SLS5	Second Language	3	3		
29.	GE	a) Business Economics / b) Advanced Aspects of Income Tax	4	4	3 hrs	80U+20I
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	5	5	3 hrs	80U+20I
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	3T+4P/ 5	5	1 ½ hrs/3 hrs	50T+35P + 15I/ 80U+20I
32.	DSE503	a) Management Information Systems/ b) Ecommerce/c) Mobile Applications	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	29/27	25		
SEMESTER - VI						
33.	ELS6	English (First Language)	3	3		
34.	SLS6	Second Language	3	3		
35.	PR	Research Methodology and Project Report	2T+4R	4	1 ½ hrs	40U+10I 35R+15VV
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	5	5	3 hrs	80U+20I
37.	DSE602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	3T+4P/ 5	5	1 ½ hrs/3 hrs	50T+35P + 15I/ 80U+20I
38.	DSE603	a) Multimedia Systems/ b) Cyber Security/c) Data Analytics	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	31/29	25		
		GRAND TOTAL	168/164	150		

ELS: English Language Skill; SLS: Second Language Skill; AEC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T: Theory; P: Practical; I: Internal Exam; U: University Exam; PR: Project Report; VV: Viva-Voice Examination.

Note: If a student should opt for "a" in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.

SUMMARY OF CREDITS				
Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	40		150
	Commerce	24		106
CREDITS UNDER NON-CGPA	NSS/NCC/Sports/Extra Curricular		Up to 6 (2 in each year)	
	Summer Internship		Up to 4 (2 in each after I & II years)	

Paper PR : RESEARCH METHODOLOGY & PROJECT REPORT

Objective: To introduce the basics of conducting research in social sciences.

UNIT-I: INTRODUCTION, MEASUREMENT AND HYPOTHESIS TESTING:

Meaning of Research-Steps involved- Identification of Problem- Steps involved in the selection of problem-Research Design-Meaning and Types- Measurement Levels/Scales - Scaling Techniques-Hypothesis-Meaning - Types – Testing Procedure.

UNIT-II:PARAMETRIC AND NON PARAMETRIC TESTS AND RESEARCH REPORT:

Introduction - t-Test - F-Test - Chi Square Test - Anova (One-Way Anova, Two-Way Anova).concepts only Contents of a Research Report.

SUGGESTED READINGS:

1. Research Methodology: Himalaya Publications.
2. Methodology of Research in Social Sciences: Krishna Swamy,
3. Research Methodology: Kothari &Garg, New Age Publication
4. Research Methodology: Panerselvam R, PHI
5. Research Methodology: Dr Vijay Upagade& Dr ArvindShende, S. Chand Publications
6. Research Methodology: Ranjit Kumar, Pearson Publication
7. Reading in Research Methodology in Commerce & Business Management: Achalapathi KV,
8. Research Methodology: Sashi.K Gupta, PraneethRangi, Kalyani Publishers.
9. Research Methodology: Ms.TuljaBhavani, SIA Publishers & Distributors Pvt. Ltd.

GUIDELINES FOR PROJECT WORK

- 1) Project work is a part of the prescribed curriculum to B. Com students.
- 2) Project work is allotted to a group of 4 students.
- 3) During the IV semester, students are expected to undergo internship at a business firm/ Government Department /Software organization/Voluntary organization as per the guidance of teacher concerned.
- 4) Students should get a certificate from the organization.
- 5) At the end of Semester-VI, the project reports would be evaluated by the external examiner designated by the Controller of Examinations, from the panel submitted by the Board of Studies in Commerce. The Examiner would evaluate the project reports for a maximum of 35 marks and conduct Viva-Voce examination for 15 marks. The award lists duly signed would be sent the Controller of Examinations.
- 6) Examiners will examine the following in the project report: i) Survey/Analysis on the topic chosen; ii) Method of data collection; iii) Presentation: Style, Comprehensiveness, graphs, charts etc.; iv) Analysis and inference and implications of the study; v) Bibliography.
- 7) Students must ensure that they maintain **regular contact with their supervisor** and also that they provide the supervisor with drafts of their work at regular intervals.
- 8) Students are required to submit a project report on a topic related/connected with trade, industry & commerce. Project can be done by taking the information from the select

organization focusing on areas like marketing, finance, human resource, operations, general management etc.

- 9) Project should be a practical, in-depth study of a problem, issue, opportunity, technique or procedure or some combination of these aspects of business. The Students are required to define an area of investigation, assemble relevant data, analyse the data, draw conclusions and make recommendations.

ORGANISATION OF PROJECT REPORT

1) Project report should be presented in the following sequence:

- i) Title page; ii) Student's declaration; iii) Supervisor's certificate; iv) Internship certificate; v) Abstract; vi) Acknowledgements; vii) Table of contents; viii) List of tables; ix) List of figures; x) List of appendices.

2) Chapter Design should be as follows:

Chapter-I: Introduction: this chapter includes the research problem, need for study/significance of the project, objectives, methodology (hypotheses, statistical tools, data source, scope, sample, chapter design).

Chapter-II: Company Profile: this chapter should contain a brief historical retrospect about the entity of your study.

Chapter-III: Data Analysis and Interpretation: this chapter should present the data analysis and inferences.

Chapter-IV: Summary and Conclusions: This Chapter should give an overview of the project, conclusions, implications, recommendations and scope for further research.

Bibliography: lists the books, articles, and websites that are referred and used for research on the topic of the specific project. Follow Harvard style of referencing.

Appendices: the data, used to prepare the tables for analysis, may not be feasible to incorporate as part of chapters, may given as appendices.

TECHNICAL SPECIFICATIONS OF THE PROJECT

- 1) Project should be typed on **A4 white paper**, and be **1.5 spaced**.
- 2) All pages should be **numbered**, and numbers should be placed at the centre of the bottom of the page.
- 3) All **tables, figures and appendices** should be consecutively numbered or lettered, and suitably labeled.
- 4) **3 bound copies&a soft-copy** should be handed in to the **principal/director of your college/institute** at the time of submission.
- 5) **bibliography and referencing:** **Referencing** is necessary to avoid plagiarism, to verify quotations and to enable readers to follow-up and read more fully the cited author's arguments. Reference is given within the text of the project as well as at the end of the project. The basic difference between citation and a reference list (bibliography) is that the latter contains full details of all the in-text citations.
 - **Citation** provides brief details of the author and date of publication for referencing the work in the body of the text.
 - **Reference list** is given at the end of the text and is a list of all references used with additional details provided to help identify each source.

Proper referencing is as crucial aspect of your project. You are therefore strongly advised to talk

DETERMINATION OF THE CONTENTS PRESENT IN SOFT DRINKS

PROJECT WORK (2022-2023)

DEPARTMENT OF CHEMISTRY

GOVERNMENT DEGREE COLLEGE FOR WOMEN GAJWEL,
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M.Sc. Ph.D.

Assistant Professor of Chemistry

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CERTIFICATE

It is to certify that the dissertation entitled "**Determination of The Contents Present in Soft Drinks**" submitted to Government Degree College (W) Gajwel. Under the guidance of Dr.J.UMA RANI, at Government Degree College(W) Gajwel, and the contents of the dissertation do not form the basis for the award of any other degree or diploma of the candidate from this or any other University elsewhere.

Date: 24-05-2023



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ASSESSMENT ON MINERAL WATER PLANTS IN GAJWEL

PROJECT WORK (2022-2023)

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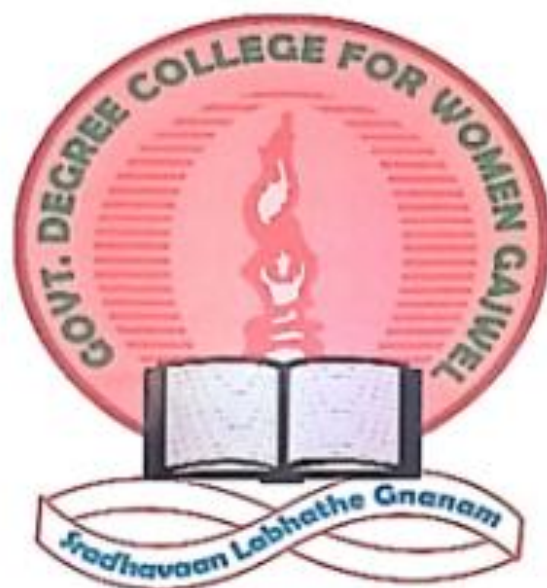
GOVERNMENT DEGREE COLLEGE FOR WOMEN GAJWEL

**Assessment of Heavy Metals in Contaminated
Soil and Plants Around the Landfills in Gajwel.**

PROJECT WORK (2022-2023)

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**QUALITATIVE AND QUANTITATIVE ANALYSIS OF PARACETMOL IN
GENERIC MEDICINE**

PROJECT WORK (2022-2023)

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**QUALITATIVE AND QUANTITATIVE ANALYSIS OF PARACETMOL IN
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Date: 24-05-2023

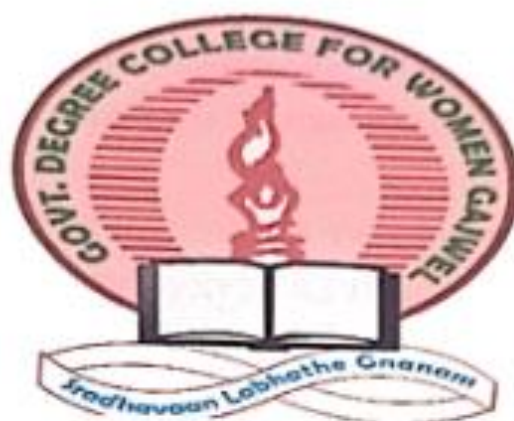

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ASSESSMENT ON MINERAL WATER PLANTS IN GAJWEL

GOVERNMENT DEGREE COLLEGE(W) GAJWEL

JIGNASA STUDENT STUDY PROJECT

IN

CHEMISTRY

Under the Guidance of

Dr. J. UMA RANI

Assistant Professor of Chemistry



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2. K. SANDHYA	BTZC V SEM
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