S.V.M.V.V. Society's

S. V. M. ARTS, SCIENCE AND COMMERCE COLLEGE
ILKAL - 587125

Dist: Bagalkote Karnataka

ACCREDITED WITH 'A' GRADE BY NAAC Under CGPA 3.04

(Affiliated to Bagalkot University, Jamkhandi, Centre Code: 6218)

ESTD 1964

ANNUAL QUALITY ASSURANCE REPORT (AQAR)

CRITERION -I

1.1.1 - The Institution ensures effective curriculum

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
BENGALURU

2023-24

1.1.1 - The Institution ensures effective curriculum delivery through a well-planned and documented process

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S.V.M. Arts, Science & Commerce College ILKAL 587125

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S.V.M. Arts, Science and Commerce College, ILKAL

1. Learning Outcomes-based Curriculum Framework for Undergraduate Education (LOCF)

The overall objectives of the learning outcomes-based curriculum framework are to:

➢ help formulate graduate attributes, qualification descriptors, programme learning outcomes and course learning outcomes that are expected to be demonstrated by the holder of a qualification;

➢ enable prospective students, parents, employers and others to understand the nature and level of learning outcomes (knowledge, skills, attitudes and values) or attributes a graduate of a programme should be capable of demonstrating on successful completion of the programme of study;

➢ maintain national standards and international comparability of learning outcomes and academic standards to ensure global competitiveness, and to facilitate student/graduate mobility;

➢ and provide higher education institutions an important point of reference for designing teaching-learning strategies, assessing student learning levels, and periodic review of programmes and academic standards.

2. Key outcomes underpinning curriculum planning and development

The learning outcomes-based curriculum framework for undergraduate education is a framework based on the expected learning outcomes and academic standards that are expected to be attained by graduates of a programme of study and holder of a

Qualification. The key outcomes that underpin curriculum planning and development at the undergraduate level include Graduate Attributes, Qualification Descriptors, Programme Learning Outcomes, and Course Learning Outcomes:

3. Graduate attributes

the graduate attributes reflect the particular quality and feature or characteristics of an individual, including the knowledge, skills, attitudes and values that are expected to be acquired by a graduate through studies at the higher education institution (HEI) such as a college or university. The graduate attributes include capabilities that help strengthen one's abilities for widening current knowledge base and skills, gaining new knowledge and skills, undertaking future studies, performing well in a chosen career and playing a constructive role as a responsible citizen in the society. The graduate attributes define the characteristics of a student's university degree programme(s), and describe a set of characteristics/competencies that are transferable beyond study of a particular subject area and programme contexts in which they have been developed. Graduate attributes are fostered through meaningful learning experiences made available through the curriculum, the total college/university experiences and a process of critical and reflective thinking.

4. Program Outcomes, Program Specific Outcomes and Course Outcomes (POs, PSOs, COs)

The POS, PSOS and COS are the objectives of the university programs and courses. Each program has its own learning outcomes of programs and courses. Every department prepares conspectus. Departments display POS, PSOs, Cos on the college website.

Program Outcomes, Course Outcomes and their importance are communicated to

- Teachers in IQAC meeting and staff meeting.
- Students, in Induction/orientation program and also in respective classes.
- Stake holders through college website.

Each department discusses these PSOs and COs in their department meeting before the commencement of each semester. The possible ease or difficulties in the attainment of these outcomes are also considered.

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PROGRAM OUTCOMES OF THE BACHELOR OF ARTS

NAME OF THE PROGRAM OUTCOMES	NAME OF THE PROGRAM OUTCOMES
BACHELOR OF ARTS	**After the completion of three years program in Bachelor of Arts (B. A.) the students could be able to gain:** 1. Learn to apply ethical principles and become committed to professional ethics and responsibilities. 2. Socio scientific approach through literature enables to move forward from local to Global. 3. Acquiring enhanced vocabulary makes them good communicator, civilians and patriotic. 4. Developing Knowledge, analytical skills and reasoning for problem solving and decision making. 5. Communicate concepts and information clearly and in various formats (oral, visual, written, etc.) 6. Practice creative thinking and expression. 7. Collaborate respectfully with others, individually and in teams.

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PROGRAM OUTCOMES OF THE BACHELOR OF SCIENCE

NAME OF THE PROGRAM PROGRAM OUTCOMES	NAME OF THE PROGRAM OUTCOMES
BACHELOR OF SCIENCE	**After the completion of three years program in Bachelor of Science (B.Sc.) the students could be able to gain:** 1. Acquired the knowledge with facts and figures related to various subjects in basic sciences 2. Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life 3. Acquired the skills in handling scientific instruments, planning and performing in laboratory experiment. 4. Developed scientific outlook not only with respect to science subjects but also in all aspects related to life. 5. Enhancement of problem solving, critical thinking and analytical reasoning to boost the students with new syllabus. 6. Demonstrate basic analytical skills in algebra, aptitude, reasoning, and coding. 7. Understand, formulate and use quantitative models arising in social science, business and other contexts. 8. Developed scientific outlook not only with respect to science subjects but also in all aspects related to life. 9. Students will establish themselves as effective professionals by solving real problems through the use of computer science knowledge and with attention to team work, effective communication, critical thinking and problem-solving skills 10. Students will develop professional skills that prepare them for all types competitive exams.

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PROGRAM OUTCOMES OF THE BACHELOR OF COMMERCE

NAME OF THE PROGRAM PROGRAM SPECIFIC OUTCOMES	NAME OF THE PROGRAM PROGRAM SPECIFIC OUTCOMES
BACHELOR OF COMMERCE	**The students could possess the knowledge, skills and attitudes during their B.com degree course. By virtue of the training and learning, they could become eligible job hunters in government and private sectors. Even they could become successful businessmen or self-employed in their career.** 1. An inclination towards lifelong learning and acquiring contemporary knowledge. 2. Students have a greater number of alternatives to pursue professional and traditional courses such as CA, CS, CWA, CMA, MBA, M. Com, B.Ed. etc. for academic progressions. 3. Students will be able to pursue their career in higher education, advance research and career specific programs in the field of commerce and finance. 4. Students will be able to get employment opportunities in functional areas like taxation, accounting, auditing, banking, BPOs, KPOs, insurance etc. 5. Students will acquire managerial skill like communication, decision making, problem solving etc in day-to-day business affairs. 6. Students will acquire theoretical and practical knowledge for performing various business activities. 7. Take independent decisions in economic and social aspects of life. 8. Acquire jobs in different sectors such as banking, industry, insurance companies, defences, CSO, NSSO, planning department etc. 9. Pursue post-graduation degree such as MBA, MSW and law degree. 10. Start own entrepreneurship.

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PROGRAM OUTCOMES OF M.A., M.SC. & M.COM.

NAME OF THE PROGRAM	PROGRAM OUTCOMES
MASTER OF COMMERCE, MASTER OF SCIENCE & MASTER OF ARTS	**After the completion of TWO years program in Master of Arts Science & Commerce the students could be able to gain:** 1. The degree leads to the comprehensive knowledge of the subject. 2. Students can write competitive examinations like UGC-NET, SLET, M.Phil., Ph.D. and can get the job of assistant professors at colleges and universities. 3. Subject knowledge helps them to pursue their career in the field of education, translation, research, teaching, freelancing, management, creative writing, editing, banking, publication, and journalism. 4. Master Degree helps students getting through the competitive exams. 5. Know when there is a need for information, to be able to identify, locate, evaluate and effectively use that information for the issue or problem at hand. 6. Acquire good knowledge and understanding in advanced areas of mathematics chosen by the student from the given courses. 7. Understand, formulate and use quantitative models arising in social science, business and other contexts. 8. Formulate and develop mathematical arguments in a logical manner. 9. Impart the students with higher level knowledge and understanding of contemporary trends in commerce and business finance. 10. Enable the students for an in-depth analysis of investment, portfolio management, investment banking and liquidation of investments. 11. Facilitate the students to apply capital budgeting techniques for investment decisions. 12. Provide guidance to students to plan and undertake independent research in chosen area of knowledge

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Department of : Political Science

Student List of Slow Learners – 2023-24.

No	Register No	Name	M/F	Cast / Category
01	UISIC23 A0050	Suraj Kalagi	M	—
02	UISIC23 A0044	Basavant Nilajari	M	—
03	UISIC22 A0026	Darshan Karabhari	M	—
04	UISIC22 A004	Abhishek Karabhari	M	—
05	AISIC21 A002	Mustan Kandagal	F	—
06	AISIC21 A0021	Abhishek Pawar	M	—
07	AISIC21 A003.	Bharath Gunihar	M	—
08	AISIC21 A0024	Vittal Talawar	M	—

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Department of : Political Science

Remedial Classes for Slow Learners

Class: I, II & III year **Year: 2023 - 24**

Sl.No	Date	Name of the Staff	Topic covered	Signature
01	12-7-24	Dr. Ramesh Malagi	"Basic Concepts of	
02	12-7-24	Dr. Ramesh Malagi	Political Theories"	
03	18-7-24	Dr. Mahadevagonda	"concepts of Politi	
04	18-7-24	Dr. Mahadevagonda	-cal science"	
05	03-8-24	Dr. Ramesh Malagi	"Indian constituti	
06	03-8-24	Dr. Ramesh Malagi	-onal Bodies"	
07	06-8-24	Dr Mahadevagonda	"Modern Political	
08	06-8-24	Dr. Mahadevagonda	Analysis"	
09	06-8-24	Dr. Ramesh Malagi	"Karnataka Govt	
10	06-7-24	Dr. Ramesh Malagi	& Politics".	
11	09-7-24	Dr. Ramesh Malagi	"Basic Structures	
12	09-7-24	Dr. Ramesh Malagi	of Judicial System	
13	13-7-24	Dr. Mahadevagonda	"Public Policy ma	
14	13-7-24	Dr. Mahadevagonda	King in India".	
15	25-07-24	Dr. Mahadevagonda	"Internal Relations	
16	25-07-24	Dr. Mahadevagonda	and War"	
17	13-08-24	Dr. Mahadevagonda	"Collective Securi	
18	13-08-24	Dr. Mahadevagonda	-ty"	

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Department of: Political Science

Student Attendance for Slow Learners – 2023-24

No	Reg.No	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
01	U1SIG23 A0050	Suraj Kalagi	01	02	02	03	04	05	06	07	08	08	09	10	11	12	13	13	14	15		
02	U1SIG23 A0044	Basavant Nilagari	00	01	02	02	03	04	05	06	07	07	07	08	09	09	10	11	12	12		
03	U1SIG22 A0026	Darshan Karabhari	01	02	03	04	04	04	05	06	07	08	08	08	09	09	09	10	10	11		
04	U1SIG22 A004	Abhishek Karabhari	01	02	03	04	05	06	07	08	09	09	10	11	11	12	13	14	15	16		
05	U1SIG21 A002	Mustan Kandagal	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	17		
06	U1SIG21 A0021	Abhishek Pawar	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18		
07	U1SIG21 A003	Bharath Gunikar	01	02	03	04	05	05	06	06	07	08	09	10	11	11	11	12	13	14		
08	U1SI G21 A0024	Vittal Talawar	01	02	03	04	05	06	07	08	09	09	10	11	11	12	12	13	13	13		

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Department of : Political Science

Enrichment Classes for Advance Learners

Class: **Year: 2023-24**

Sl.No	Date	Name of the Staff	Topic covered	Signature of the staff
01	25/7/24	Dr. Ramesh Malagi	"Group Disction"	
02	03/8/24	Dr. Ramesh Malagi	Behavirial Theory	
03	06/8/24	Dr. Mahadevagouda	"Pluralist Theory"	
04	08/08/24	Dr. Mahadevagouda	"Seminar"	
05	17/8/24	Dr. Ramesh Malagi	"seminar"	
06	02/08/24	Dr. Ramesh Malagi	Parliamentary	
07	03/08/24	Dr. Mahadevagouda	Debets	
08	06/8/24	Dr. Mahadevagouda	"	
09	13/08/24	Dr. Ramesh Malagi	Research Projects	
10	13/08/24	Dr. Ramesh Malagi	Research Methods	
11	17/08/24	Dr. Mahadevagouda	"	
12	17/08/24	Dr. Mahadevagouda	"	

BA-I

BA-II

BA-III

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Head of the Department

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Department of: Political Science

Student Attendance for Advance Learners – 2023-24

Sl.No	Reg.No	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	U15IG23 A00	Chaitra Hudedmani	01	02	03	04	05	06	07	07	08	09	10	11	12	13	14					
	U15IG23 A00	Anushree Kulkarni	01	02	03	04	05	06	07	08	09	10	11	12								
	U15IG23	Mounesh Katanibli	01	02	02	03	04	05	06	07	08	09	09	10								
	U15IG23 A00	Salimsab Jinnad	01	02	03	04	05	06	07	08	09	10	11	12								
	U15IG22 A00	Indraja	01	02	03	04	05	06	07	08	09	10	11	12								
	U15IG22 A0083	Ambika	00	00	01	02	03	04	05	06	07	08	09	09								
	U15IG22 A00	Megharaj Badiger	01	02	03	04	05	06	07	08	09	10	11	12								
	U15IG22 A00	Sharanabasava. u	01	02	03	04	05	06	07	08	09	10	11	11								
	U15IG21 A0019	Deepa Gouda	01	02	03	04	05	06	07	08	09	10	11	12								
	U15IG21 A0066	Sangeeta Kharalagi	00	00	01	02	03	04	05	06	07	08	09	10								
	U15IG21 A0018	Savitri Acharya	01	02	03	04	05	06	07	08	09	10	11	12								
	U15IG21 A0053	Shana Katapurmath	01	02	03	04	05	06	07	08	09	09	10	11								
	A15IG21 A0012	Bhimeshi Hosur	01	02	03	04	05	06	07	08	09	10	11	12								
	A15IG21 A003	Sharanabasava	01	02	03	04	04	04	05	06	07	07	08	09								
	A15IG21 A0051	Nandeppa Shiralakki	00	01	02	03	04	05	06	07	08	09	10	11								
	A15IG21 A0013	Arunkumar Badiger	01	02	03	04	05	06	07	08	09	10	11	12								

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Teachers Using ICT with LNS, E-learning resources

Name of the faculty: Year: 2023-24 Department: Political Science

Sl.No	Class	Topic	e-Resources Used	Use of LCD Yes/No	If yes, No.of classes through LCD	Student Centric Teaching Methods		
						Experiential Learning	Participative Learning	Problem Solving Methodology
	BA-I	State Politics	ICT	✓	01	—	✓	—
	BA-I	Evoluvation theory	ICT	✓	03	—	✓	—
	BA-II	Fundamental Rights	ICT	✓	02	—	✓	—
	BA-II	Union Judiciary	ICT	✓	02	—	✓	—
	BA-III	Game Theory	ICT	✓	03	—	✓	—
	BA-III	Public Addminis	ICT	✓	02	—	✓	—
	BA-III	Theories of Inter-nal Relations	ICT	✓	05	—	✓	—
	"	"	"	—	—	—	—	—

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Unit –III
Electrochemistry –EMF

By

Vijaykumar Tumbad
Assistant Professor
Department of Chemistry
S.V.M.Arts,Science and Commerce College Ilkal-587125

Measurement of pH :

- The glass electrode is dipped in the given solution. This system is connected to saturated calomel electrode as in the figure. The emf of the resulting cell is measured using a potentiometer.

- From the emf, the pH of the solution is calculated as below:

$E_{cell} = E_{right} - E_{left}$

$E_{cell} = E_{cal} - E_{glass}$

$E_{cell} = 0.242 - (E_{G}^{\circ} + 0.0591v\ pH)$

$E_{cell} = 0.242 - E_{G}^{\circ} - 0.0591\ pH$

$P^{H} = E_{cell} - 0.2422 + E^{0}_{Glass}/0.0592$

ELECTROCHEMICAL SERIES (e.m.f series): A series in which elements are arranged in the ascending (increasing) order of their standard reduction potential is called emf series.

Half cell reaction	E^{o} (V)
$Li^{+} + e^{-} \rightarrow Li$	- 3.04
$Mg^{2+} + 2e^{- -} \rightarrow Mg$	- 2.37
$Al^{3+} + 3e^{- -} \rightarrow Al$	- 1.66
$Zn^{2+} + 2e^{- -} \rightarrow Zn$	- 0.76
$Fe^{2+} + 2e^{- -} \rightarrow Fe$	- 0.44
$2H^{+} + 2e^{- -} \rightarrow H_2$ (g)	0.00
$Hg\,2^{2+} + 2e^{-} \rightarrow Hg$ (l)	0.2422
$Cu^{2+} + 2e^{- -} \rightarrow Cu$	0.34
$Cu^{+} + e^{--} \rightarrow Cu$	0.52
$Pt, Fe^{3+} + e^{-} \rightarrow Fe^{2+}$	0.77
$Ag^{+} + e^{--} \rightarrow Ag$	0.80
$Au^{+} + e^{-} \rightarrow Ag$	1.69
$F_2 + 2e^{- -} \rightarrow 2F^{-}$	2.8

$Ni(s) + Cu^{2+}(aq) \longrightarrow Ni^{2+}(aq) + Cu(s)$

Glass Electrode (or) Measurement of pH using glass electrode :

- Glass electrode contains a thin-walled glass bulb. The glass has low melting point and high electrical conductivity. 0.1M HCl is present in the bulb. A platinum wire is inserted in the acid.

- When the glass membrane separates two solutions differing in pH, exchange of H^+ ions takes place between the solutions. As a result a potential is developed across the membrane. The potential EG is given by,

$$EG = EG + 0.0591\ pH$$

DEPARTMENT OF BOTANY 2023-2024

Time / Day	8:00 To 9:00	9:00 To 10:00	10:00 To 10:10	10:10 To 11.10	11.10 To 12:10	12:20 To 1:20	1:20 To 2:20	2:30 To 03:30	03:30 To 04:30	04:30 To 05:30
Monday	IS RSP		R E S T	IIIS MGS			IS PRACTICAL RSP			
Tuesday				IIS RSP IIIS MGS			IIIS PRACTICAL RSP			
Wednesday	IS RSP IIIS MGS				IIIS RSP		VS P-I PRACTICAL RSP			
Thursday	IIS MGS	IIIS RSP					VS P-II PRACTICAL MGS			
Friday	IIS MGS	IS MGS		IIIS RSP			VS P-II PRACTICAL RSP			
Saturday	IIIS RSP IS MGS			IIS RSP	IIIS MGS		VS P-II PRACTICAL MGS			

Asst. Prof. Rohini. S. Pol.
Head of the Department Botany
S.V.M. Arts, Science & Commerce
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DEPARTMENT OF COMMERCE

CONSOLIDATED TIME-TABLE

2023-24

EVEN SEMESTER

TIME	CLASS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-00 AM to 9-00 AM	BCOM-I	ES-SBI	ENG-SBB	KAN/HINDI SGS/BMR	AFA-RSK	ES-SBI	ENG-VSK
	BCOM-II	C A/C- DJD	IC-MG	IC-MG	KAN-STD	ENG-SBB	KAN-STD
	BCOM-III	---	IT-ARN	APFI-ARN	MA-DJD	APFI-BSW	CDW/IM DJD/BSW
9-00 AM to 10-00 AM	BCOM-I	AFA-RSK	AFA-RSK	AFA-RSK	ENG-SBB	LPB-BSW	CA-ARN
	BCOM-II	BRF-BSW	BRF-BSW	ENG-SBB	COST-RSK	COST-ARN	C A/C- DJD
	BCOM-III	IT-ARN	MA-DJD	IAS/CRM DJD/BSW	CDW/IM DJD/BSW	MA-DJD	AFM-RSK
10-10 AM to 11-10 AM	BCOM-I	CA-ARN	CA-ARN	LPB-BSW	LPB-BSW	KAN/HINDI STD/BMR	LPB-BSW
	BCOM-II	COST-RSK	C A/C- DJD	COST-ARN	AI	IC-MG	ENG-VSK
	BCOM-III	IAS/CRM DJD/BSW	AFM-RSK	MA-DJD	IT-ARN	AFM-RSK	IT-ARN
11-10 AM to 12-10 PM	BCOM-I	KAN-SPA	---	ENG-VSK	KAN/HINDI STD/BMR	CA-ARN	AFA-RSK
	BCOM-II	AI	KAN-SGS	COST-RSK	C A/C- DJD	KAN-SGS	BRF-BSW
	BCOM-III	APFI-BSW	CDW/IM DJD/BSW	IT-ARN	AFM-RSK	IAS/CRM DJD/BSW	APFI-ARN
12-20 PM to 1-20 PM	BCOM-I	-	---	-	OEC RSK (B.Sc)/BSW(BA)	OEC RSK (B.Sc)/ARN(BA)	OEC RSK (B.Sc)/DJD(BA)
	BCOM-II	--	ENG-VSK	BRF-BSW	-	C A/C- DJD	-
	BCOM-III	MA-DJD	-	AFM-RSK	-	-	

Principal

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Report on Study tour toHosamaniEstateforV B.Sc. Botany students

Submitted to IQAC

Excursion In charge: **Asst.Prof Rohini S Pol (Head of the Botany Department)**

Staff Accompanied for the study tour: Miss Meghana.G.S
Attender Mr.Angadi
No of Students: 28

Date: 01/02/2024 **Time:** 10:00 am to 4:00 pm **Day**: Thursady

Objective of the visit: To study Medicinal Plants, Crop Plants , Flowering Plants

About the place:

Hosamani Estate is located in Hanumsagar which is 11 kms away from Ilkal. It is a Arogyadhama . Spread in an about 50 acres of land. Estate consists of all kinds of herbs, shrubs and trees . Different types of Irrigation can be seen. Many crops have been cultivated such as maize, wheat, groundnut, chilli, tomato etc fruit plants such as orange, apple, chikko,custard apple, dragon fruit, Coconut ,Banana etc. Aercanut and Teak wood plants are also grown.

Purpose of the tour:

To Borden students horizons and knowledge through introduction of plant diversity especially the medicinal plants.

As a training tool for planning and implementation of Nursery by direct observing the species and habitat.

To study different types of crop plants.

Explore the possibility to do research in medicinal plants.

Strengthen the friendship among students and student Teachers relationship.

Crop Plants

A crop is a plant or plant product that can be grown and harvested for profit or subsistence. By use, crops fall into six categories: food crops, feed crops, fiber crops, oil crops, ornamental crops, and industrial crops.

Food crops, such as fruit and vegetables, are harvested for human consumption. Grains, such as corn, wheat, and rice, are the world's most popular food crops.

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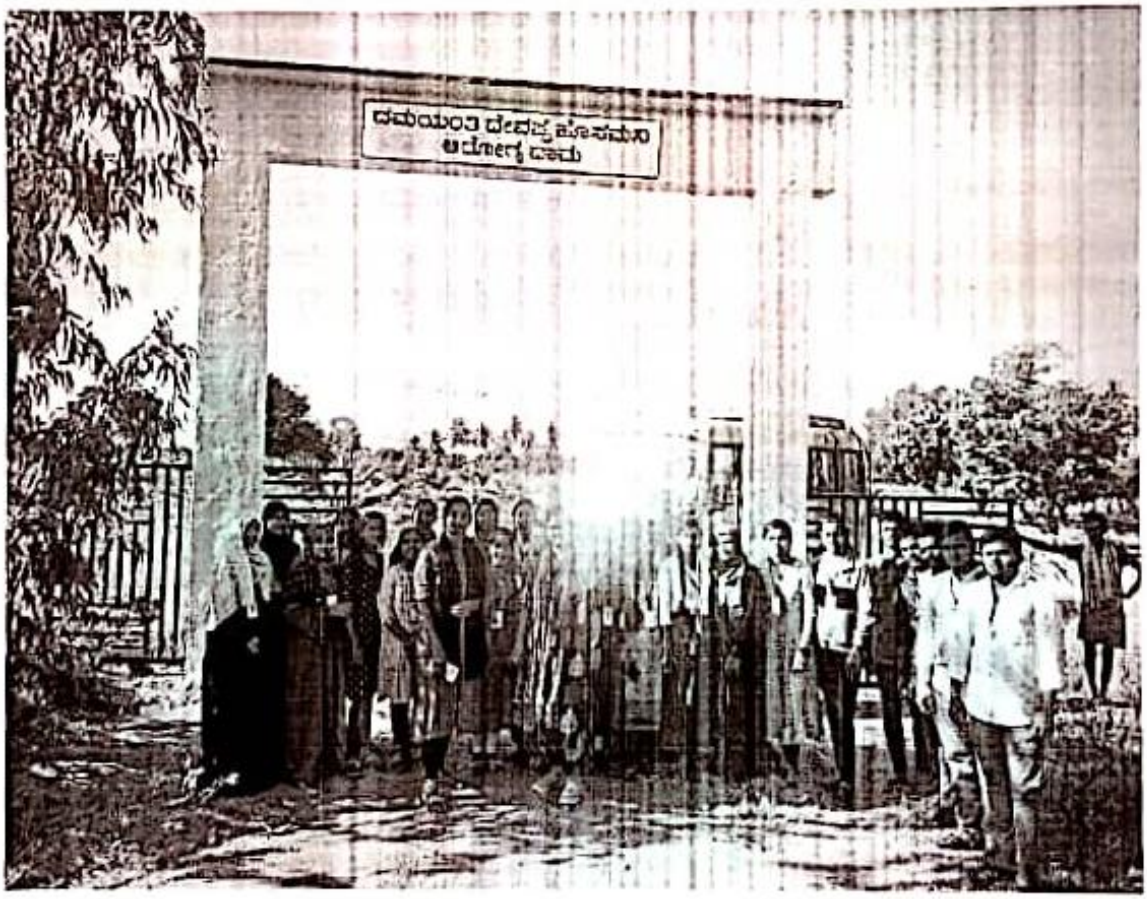
We left around 10.30am in the morning



Students at Hosamani Estate


Koppal, Karnataka, India
Lat 15.880135°
Long 76.056822°
01/02/24 02:39 PM GMT +05:30
Koppal, Karnataka, India
Lat 15.880187°
Long 76.056782°
01/02/24 02:33 PM GMT +05:30


Hanamsagar, Karnataka, India
Lat 15.872210°
01/02/24 02:33 PM GMT +05:30

Outcome of the Study tour:

Field trips to natural environments provide opportunities for students to learn, develop new interests, and improve environmental attitudes and behaviours. This study points to the importance of strong pedagogy in these learning environments, particularly when the guide is instrumental in shaping the field trip activities.

On a guide-directed field trip, when the guide tells interesting stories, offers opportunity for exploration, explains discoveries, relates experiences to everyday life, and clarifies concepts learned in College, students experiences can be enhanced, with greater learning, attitudes, and changes in environmental behaviour.

It was an amazing and informative trip . We got to see different types of plants flowers and trees which have medicinal value. We learned scientific names of many plants and some of their taxonomic features.

From,
Asst Prof.Rohini S Pol
Head of the Department Botany
SVM Arts, Science and Commerce Colllege, Ilkal-587125

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S.V.M. Arts, Science & Commerce
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College Code: 6218

Assignment

05/08/2024

I) i) Journal Entries in the Books of Vijayalaxmi Co.Ltd.

Date	Particulars		LF	Debit	Credit.
01.	Preference Share Capital A/c	Dr.		60.000	—
	Premium on Redemption A/c	Dr.		6000	—
	To Preference Shareholders A/c.	A/c.		—	66.000
	[Being amount due to Pre-shareholders]				
02.	Bank A/c	Dr.		31.500	—
	To New Equity Share Capital	A/c.		—	30.000
	To Security premium	A/c.		—	1500.
03.	Security Premium A/c	Dr.		6000	—
	To Premium on Redemption	A/c.		—	6000
	[Being provision of premium on redemption paid out of security premium]				
04.	General Reserve A/c.	Dr.		30.000	—
	To Capital Redemption Reserve	A/c.		—	30.000
	[Being General Reserve transfered]				
05.	Redemption of Pre-share holders A/c	Dr.		66.000	—
	To Bank	A/c.		—	66.000.
	[Being amount paid to Pre-share holders]				

II) Statement of Assets & Liabilities as on 31st March 2023.

Particulars	Note No.	Amount
I) Equity and Liability:		
1) Share holders Fund:		
a) Share capital.	01	6.30.000.
b) Reserve & Surplus.	02	4.75.500.
2) Current Liabilities:		
a) Trade Payable.	03	1.35.000
Total Liabilities →		1240500

II] Assets:			
1] Non-Current Assets:			
a] Fixed Assets		04	9.00.000
i] Tangible Assets.			
2] Current Assets:		05.	3.40.500
a] Cash and Cash Equivalents			
			12.40.500

Notes to Statement of Assets & Liabilities.

Note 01: Share Capital			
Equity Share Capital			6.00.000
(+) Fresh Issue of Equity Shares.			30.000
			6.30.000
Note 02: Reserve & Surplus.			
Security Premium [30000+1500-6000]			25500
General Reserve		4.50.000	
(-) Transferred to G.R.R		30.000	4.20.000
(+) Capital Redemption Reserve A/c.			30.000
			4.75.500
Note 03: Trade Payable			
Sundry Creditors.			1.35.000
			1.35.000
Note 04: Tangible Assets			
Plant & machinery			9.00.000
			9.00.000
Note 05: Cash & Cash Equivalents.			
Cash at Bank.			3.75.000
(+) Cash received from new equity shares			31.500.
			4.06.500
(-) Cash paid to pre-share holders.			66.000
			3.40.500

2] I] At Par.

Journal Entries in the Books of Mysore Ltd.

Date	Particulars		LF	Debit	Credit.
01.	Preference Share Capital A/c	Dr.		2,00,000	–
	To Preference Share holders	A/c.		–	2,00,000
	[Being amount due]				
02	Bank A/c	Dr.		200.000	–
	To New Equity Share Capital	A/c.		–	2,00,000
	[Being Issue of New Equity shares @ Par]				
03	Redemption of Preference share holders A/c	Dr.		2,00,000	–
	To Bank	A/c.		–	2,00,000
	[Being amount paid]				

II] At Premium : Journal Entries in the Books of Mysore Ltd.

Date	Particulars		LF	Debit	Credit.
01	Preference Share Capital A/c	Dr.		2,00,000	–
	Premium on Redemption A/c	Dr.		20,000	–
	To Preference share holders	A/c.		–	2,20,000
	[Being amount due]				
02	Bank A/c	Dr.		2,00,000	–
	To New Equity Share Capital	A/c.		–	2,00,000
	[Being Issue of new Equity shares at premium]				
03	Security Premium / Profit and Loss A/c	Dr.		20,000	–
	To Premium on Redemption	A/c.		–	20,000
	[Being provision of Premium on Redemption is paid out of P/L A/c]				
04	Redemable Preference Share holders A/c	Dr.		2,20,000	–
	To Bank	A/c.		–	2,20,000.
	[Being final payment paid]				

3] i) Calculation of Purchase Consideration under Net Assets Method:

Particulars			Rama Ltd	Krishna Ltd
Assets takenover at Book Value:				
Land			80000	40000
Machinery			40000	20000
Goodwill			30000	-
Stock.			10000	8000
Debtors.			40000	45000
Bank Balance.			10000	10000
			210000	123000
(-) Liabilities takenover at Book value:				
Creditors	30000	20000		
Bills Payable	50000	14000	80000	34000
Purchase Consideration Price →			130000	91000

ii) Calculation of Payment of Purchase Consideration in Equity shares:

* Rama Ltd = 130000 / 10 = 13000 Equity shares.

* Krishna Ltd = 91000 / 10 = 9100 Equity shares

22100 Equity shares

iii) Calculation of Reserve & Profit:

Particulars	Rama Ltd.	Krishna Ltd	Rama Ltd	Krishna Ltd
Purchase Price.			130000	91000
(-) Share Capital.			100000	70000
Capital Loss →			30000	21000
(-) Adjustments:				
Reserve fund	8000	6000		
Profit and Loss A/c.	22000	15000	30000	21000
			NIL	NIL

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Conspectus 2023-24

(Even Semester)

Name of the Faculty: Prof. K S Ganiger

Department:Physics

Month	Class	Hours allotted ForPlanned content delivery	Unit/Title/Sub Units/Portion To be covered	Teaching aids and resources to be used: Chalk and talk, PPT, GD, Seminars, Audio/Videos, Other ICT tools & etc
Apr	B.Sc.-II Sem	04	**Magneto statics:** Statement of Biot Savart's law. Derive an expression for Magnetic field at a point (1) due to a straight conductor carrying current (ii) along the axis of the circular coil carrying current	Chalk And talk
	B.Sc.-IV Sem	----	----------	----------
	B.Sc.-VI Sem	----	----------	----------
May	B.Sc.-II Sem	04	(iii) along the axis of solenoid. Principle, construction and theory of Helmholtz Galvanometer. Problems **Alternating Current:** Definitions of average, peak and rms values of AC. AC circuits containing LR, CR and their responses (using j operator). Expressions for impedance, current & phase angle in series LCR circuit using j operator.	Chalk And talk
	B.Sc.-IV Sem	04	**Semiconductor devices:** Semiconductor & its types, doping, Intrinsic and Extrinsic semiconductors, semiconductor diode (p-n junction) and its V-I Characteristics (Forword & Reverse).	Chalk And talk
	B.Sc.-VI Sem	04	**Magnetic Properties of Matter** Magnetic susceptibility (χ), magnetization (M), Classification of Dia, Para, and ferro magnetic materials; Langevin theory of diamagnetism. Langevin Classical and Quantum Theory of Paramagnetism..	Chalk And talk
June	B.Sc.-II Sem	04	Expressions for admittance and condition for resonance in parallel, LCR circuit using j operator. Concept of Series resonance & parallel resonance (sharpness, half power frequency, quality factor, voltage magnification). Comparison between Series resonance & parallel resonance. DeSauty's Bridge. Problems	Chalk And talk
	B.Sc.-IV Sem	04	**Rectifier:** Rectifications, Half-wave rectifier, Full-wave rectifier-i) Full wave centre tap ii) Full wave Bridge(Qualitative). Comparison between them. **Filters:** Capacitor filter, Inductor filter, LC filter,-section filter(study of waveforms- qualitative),Comparison between them. **Zener diode:**V-I Characteristics, Explanation of Zener Breakdown mechanism(Avalanche& Zener).Voltage regulator -Zener diode used as voltage regulator using unregulated	Chalk And talk / PPT

	B.Sc.-VI Sem	04	Curie's law, Ferromagnetism and Ferromagnetic Domains (qualitative). Discussion of M-H Curve. Hysteresis and Energy Loss, Hard and Soft magnetic materials. **Dielectric Materials:** Static dielectric constant, Types of polarization (electronic, ionic and orientation), calculation of Lorentz field (derivation), Clausius-Mosotti equation (derivation), dielectric loss. Piezo electric effect, cause, examples and applications.	Chalk And talk
July	B.Sc.-II Sem	04	DC voltage bridge rectifier.Problems	Chalk And talk
	B.Sc.-IV Sem	04	**Junction Transistors:** Basics of Bipolar Junction (BJT), types of transistors, construction and operation transistors, Transistor configuration , Common Base, Common Emitter and Common Collector Characteristics, h-parameters of a transistor & their determination using CE configuration, Transistor as an Amplifier (CE) with frequency response . **Feedback:**-Feedback and types of feedback. π	Chalk And talk
	B.Sc.-VI Sem	04	**Superconductivity:** Definition, Experimental results – Zero resistivity and Critical temperature–The critical magnetic field – Meissner effect, Type I and type II superconductors.	Chalk And talk
AUG	B.Sc.-II Sem	----	----------	----------
	B.Sc.-IV Sem		**Oscillators:**-Oscillators and its types, Essentials of a feedback LC oscillator. Hartley and Phase shift oscillators, Comparison between amplifier and oscillator. **Field Effect Transistor (FET):** FET-Types, characteristics and parameters, Relation between FET parameters. FET as a common source amplifier (Qualitative).Problems	Chalk And talk
	B.Sc.-VI Sem	04	**Thermoelectricity:** Thermoelectric effect: Peltier and Seebeck effects. Principle of thermocouple.	Chalk And talk

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	B.Sc.-VI Sem	04	Curie's law, Ferromagnetism and Ferromagnetic Domains (qualitative). Discussion of M-H Curve. Hysteresis and Energy Loss, Hard and Soft magnetic materials. **Dielectric Materials:** Static dielectric constant, Types of polarization (electronic, ionic and orientation), calculation of Lorentz field (derivation), Clausius-Mosotti equation (derivation), dielectric loss. Piezo electric effect, cause, examples and applications.	Chalk And talk
July	B.Sc.-II Sem	04	DC voltage bridge rectifier.Problems	Chalk And talk
	B.Sc.-IV Sem	04	**Junction Transistors:** Basics of Bipolar Junction (BJT), types of transistors, construction and operation transistors, Transistor configuration , Common Base, Common Emitter and Common Collector Characteristics, h-parameters of a transistor & their determination using CE configuration, Transistor as an Amplifier (CE) with frequency response . **Feedback:**-Feedback and types of feedback. π	Chalk And talk
	B.Sc.-VI Sem	04	**Superconductivity:** Definition, Experimental results – Zero resistivity and Critical temperature—The critical magnetic field – Meissner effect, Type I and type II superconductors.	Chalk And talk
AUG	B.Sc.-II Sem	----	----------	----------
	B.Sc.-IV Sem		**Oscillators:**-Oscillators and its types, Essentials of a feedback LC oscillator. Hartley and Phase shift oscillators, Comparison between amplifier and oscillator. **Field Effect Transistor (FET):** FET-Types, characteristics and parameters, Relation between FET parameters. FET as a common source amplifier (Qualitative).Problems	Chalk And talk
	B.Sc.-VI Sem	04	**Thermoelectricity:** Thermoelectric effect: Peltier and Seebeck effects. Principle of thermocouple.	Chalk And talk

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