



GOVT. RANI AVANTI BAI LODHI COLLEGE, GHUMKA,
DISTT.-RAJNANDGAON (C.G.)

Criterion –1: Curricular Aspects

1.1 - Curricular Planning and Implementation

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



Submitted to National Assessment and Accreditation Council (2023-2024)

उच्च शिक्षा विभाग, छत्तीसगढ़ शासन
शैक्षणिक सत्र 2023-24 का अकादमिक कैलेंडर

124

क्र.	विवरण	तिथियाँ
1	प्रवेश प्रक्रिया (महाविद्यालय स्तर पर)	
	(क) स्नातक प्रथम वर्ष हेतु	16.06.2023 से 31.07.2023 तक
	(ख) अन्य कक्षाओं हेतु	16.05.2023 से 15.07.2023 या परीक्षा परिणाम घोषित होने के उपरान्त 10 दिन के भीतर
(ग)	प्रवेश प्रक्रिया विश्वविद्यालय के माध्यम से ऑनलाइन पद्धति से या शासन के निर्देशानुसार	
2	कुलपति की अनुमति से प्रवेश की अंतिम तिथि	14 अगस्त 2023 तक
3	नियमित कक्षाएँ प्रारंभ	01.07.2023 से
4	वार्षिक परीक्षाओं का आयोजन	मार्च 2024 के प्रथम सप्ताह से
5	सभी वार्षिक परीक्षा परिणामों की घोषणा	15.06.2024 तक
6	पुनर्मूल्यांकन के सभी परिणामों की घोषणा	31.08.2024 तक
7	पूरक परीक्षा का आयोजन	न्यूनतम समय में
8	पूरक परीक्षा के परिणामों की घोषणा	31.10.2024 तक
9	छात्रसंघ गतिविधियाँ	
(क)	छात्रसंघ गठन प्रक्रिया एवं सफ़्त प्रारंभ	24.08.2023 से 31.08.2023 तक छात्रसंघ गठन हेतु चुनाव/मनोनयन, शासन के निर्देशानुसार
10	खेलकूद एवं सांस्कृतिक, गतिविधियाँ :-	
(क)	खेलकूद प्रतिस्पर्धा प्रारंभ (इंडोर आउटडोर)	18.07.2023 से
(ख)	खेलकूद प्रतिस्पर्धाओं का समापन (इंडोर आउटडोर)	20.12.2023 तक
(ग)	महाविद्यालय स्तर पर खेलकूद (इंडोर आउटडोर) का वार्षिक आयोजन एवं पुरस्कार वितरण	21, 22 एवं 23 दिसम्बर, 2023 में से कोई भी दिन
11	एन सी.सी. / एन.एस.एस. एवं अन्य गतिविधियाँ :-	
(क)	बुझारोपण कार्यक्रम	जुलाई, 2023 के द्वितीय सप्ताह
(ख)	महाविद्यालय स्तर पर वार्षिकोत्सव का आयोजन	21, 22 एवं 23 दिसम्बर, 2023 में से कोई एक दिन
(ग)	एनसीसी/एनएसएस कैम्प का आयोजन	28.12.2023 से 29.12.2023 तक
(घ)	दीक्षान्त समारोह	जनवरी-फरवरी 2024

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क्र.	विवरण	तिथियाँ
12	अवकाश	
	(क) पशहरा अवकाश (3 दिन)	23.10.2023 से 25.10.2023 तक
	(ख) दीपावली अवकाश (6 दिन)	10.11.2023 से 14.11.2023 तक
	(ग) शीतकालीन अवकाश (3 दिन)	25.12.2023 से 27.12.2023 तक
	(घ) ग्रीष्मकालीन अवकाश (1 माह)	15.05.2024 से 15.06.2024 तक
13	आंतरिक परीक्षाओं का कार्यक्रम	
	1 प्रथम यूनिट परीक्षा	01.09.2023
	2 द्वितीय यूनिट परीक्षा	30.09.2023
	3 तृतीय यूनिट परीक्षा	06.11.2023
	4 प्रथम सत्र/सेमेस्टर परीक्षा	28, 29, 30 नवम्बर 2023
	5 चतुर्थ यूनिट परीक्षा	19.12.2023
	6 द्वितीय सत्र/सेमेस्टर परीक्षा	28, 29, 30 दिसम्बर 2023
	7 प्री- फाइनल परीक्षा	29, 30, 31 जनवरी 2024
14	वार्षिक परीक्षा कार्यक्रम	
	1 वार्षिक प्रायोगिक परीक्षाओं का आयोजन	फरवरी 2024 से
	2 वार्षिक परीक्षाओं का आयोजन	मार्च 2024 प्रथम सप्ताह से

नोट:- अपरिहार्य कारणवश शैक्षणिक कार्य दिवस निर्धारित मानक 180 दिवसों से कम होने की स्थिति में सनस्त महाविद्यालयों एवं विश्वविद्यालयों में अपने स्तर पर शैक्षणिक फलसम्पत्तों की अवधि में वृद्धि कर शैक्षणिक दिवसों की पूर्ति की जाए ताकि अकादमिक कैलेंडर का पालन सुनिश्चित हो।

नियमित विद्यार्थी के रूप में वार्षिक परीक्षा में बैठने की पात्रता :-

1. प्रत्येक विषय की कक्षाओं में 75 प्रतिशत उपस्थिति अनिवार्य है।
2. पाठ्यक्रम में निर्धारित निहित प्रावधानों के अन्तर्गत विद्यार्थियों को आन्तरिक परीक्षा में सम्मिलित होना अनिवार्य है।
3. एन.सी.सी./एन.एस.एस. कैंप/खेलकूद/राज्य स्तरीय प्रतिस्पर्धाओं में सम्मिलित हुए छात्रों को उपस्थित माना जाये।
4. कक्षाओं में उपस्थिति की प्रथम गणना 30 नवम्बर तक की जाये।
5. कम उपस्थिति वाले छात्रों को तथा उनके पालकों को सूचना दी जाये।
6. कक्षाओं में उपस्थिति की द्वितीय गणना 28 फरवरी तक की जाये।

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**GOVT. RANI AVANTI BAI LODHI
COLLEGE, GHUMKA, DISTT-
RAJNANDGAON**



website-www.rablcollege.ac.in Email:govt.collegeghumka@gmail.com

Phone-07744-296940

COLLEGE ACADEMIC CALENDAR 2023-24

	FIRST WEEK	SECONDWEEK	THIRDWEEK	FOURTHWEEK
JUNE	Printing Prospectus World Environment day World environment day	World day against child labor World blood doner day, World elder abuse awareness day,	Admission Committee Meeting International Yoga Day	Sickle cell awareness day,
JULY	Online Application Start Through University Time Table Committee Meeting International plastic bag free day	Plantation IQAC Meeting World population day,	Online Application Start Through University, World youth skills day	Online Application Start Through University
AUGUST	TY Class Admission	Within15 Days SY&TYAdmissionWithin15 Days after result declaration. Independence Day(15August) Celebration of Rani Avanti Bai Jayanti International youth day,	SY & TY Admission Within 15 Days after result declaration. Sweep activity	Within15 Days SY&TYAdmissionWithin15 Days after result declaration. National sports day,
SEPTEMBER	World Population Day Program Induction Program for FY Students Percent's Meet Teacher's Day	Filling up Scholarship &Free Ship Forms Inauguration National Nutrition Week	International Hindi Day ResultDeclaration Suppl y Examination Word Ozo neDay	Hindi Association unit Unit Test Sweep Activity
OCTOBER	Mahatma Gandhi Jayanti Placement Cell Activity Unit Test	Preparation of AQAR 2023-24 , Missile Man APJ Abdul Kalam Jayanti Programme	Dussehra Vacation World Food Day Amrit Mahotsav	Preparation of AQAR Vallabhbhai patel Day Diwali Vacation
NOVEMBER		Term End Exam Sweep Activity	Unit Test NSS Camping	Guest Lectures InternalAssessmentPG1 st and3rd Semester)
DECEMBER	Preparation of AQAR Unit Test Word Aids Day	Preparation of AQAR IQAC Meeting Internal Assessment World Human Rights Day, National energy conservation day	Preparation of AQAR Internal Assessment Winter Vacation, National mathematics day, preparation of AISHE	Submission of AQAR Internal Assessment, Annual Function, kishan Divas University Examination)1stand3rd Semester)



(Signature)
प्राचार्य
शास. रानी अवंतीबाई लोधी महाविद्यालय
घुमका, जिला-राजनांदगाव (छ.ग.)



website-www.rablcollege.ac.in

GOVT. RANI AVANTI BAI LODHI COLLEGE, GHUMKA, DISTT-RAJNANDGAON

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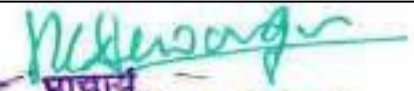
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COLLEGE ACADEMIC CALENDAR 2023-24

	FIRST WEEK	SECONDWEEK	THIRDWEEK	FOURTHWEEK
JANUARY	University PG Examination Submission of AISHE data Unit Test	Celebration of Vivekananda Jayanti University Examination Youth Festival, World hindi day	Unit Test, Indian army day, International education day	Republic Day Flag Hoisting(26 th Jan Prize Distribution Voter's Day Annual Function
FEBRUARY	Stock Verification	Practical Examination	Practical Examination	Practical Examination National Science Day
MARCH	Annual Examination	Annual Examination World Woman's Day	Annual Examination	Annual Examination
APRIL	Annual Examination	Annual Examination	Annual Examination	Annual Examination
MAY	Internal Assessment PG 2 nd and4 th Semester)	Feedback collection	Feedback analysis	University Examination)2 nd and 4 th Semester) Nontobacco Day
JUNE	Planning of Committees for next Academic Year	Printing of Prospectus ,Admission For ms Submission of Departmental and Committee Reports to Central Documentation Committee (IQAC)	Summer Vacation Start	Year End Meeting &Distribution of Committee Work &College Assessment of workload for advertisement for new posts University PGE examinations




प्राचार्य
डा. राणी अवंतीबाई लोधी महाविद्यालय
घुमका, जिला-राजनानंदगांव (छ.ग.)

कार्यालय प्राचार्य, शासकीय रानी अवंतीबाई लोधी महाविद्यालय, घुमका जिला-राजनांदगाँव (छ.ग.)

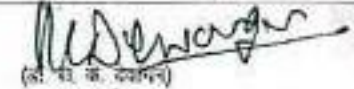
समय सारणी

वाणिज्य संकाय

सत्र 2023-24 (01 अगस्त 2023 से प्रभावशील)

कक्षा	10.30 से 11.10	11.10 से 11.50	11.50 से 12.30	12.30 से 01.10	01.10 से 01.50	01.50 से 02.30	02.30 से 03.10	03.10 से 03.50	03.50 से 04.30	04.30 से 05.10
	1	2	3	4	5	6	7	8	9	10
बी.बी.एम प्रथम	विजनेस मैथमेटिक्स कक्षा क्र.-10	अंग्रेजी भाषा (सो.म.पु.) कक्षा क्र.-10	फाइनान्सियल एकॉउंटिंग कक्षा क्र.-10	आ. अर्थशास्त्र कक्षा क्र.-10	विजनेस सेवू फ्रेमवर्क कक्षा क्र.-10	विजनेस कम्प्यूटिजेशन/ इन्वॉयरमेंट कक्षा क्र.-10	हिंदी भाषा (सो.म.पु.) कक्षा क्र.-10	पर्यावरण अध्ययन कक्षा क्र.-10	कम्प्यूटर - I ग्रुप -1 T/S - W ग्रुप -2 T/S - Th ग्रुप -3 T/S - F	खेलकूद एवं सांस्कृतिक कार्यक्रम
बी.बी.एम द्वितीय	हिंदी भाषा (पु. सु. म.) कक्षा क्र.-04	विजनेस स्टैटिस्टिक्स कक्षा क्र.-04	अंग्रेजी भाषा (पु. सु. म.) कक्षा क्र.-04	कॉस्ट एकाउंटिंग कक्षा क्र.-04	कॉर्पोरेट एकॉउंटिंग कक्षा क्र.-04	हिंदी भाषा (सो.म.पु.) कक्षा क्र.-04	कंपनी लॉ (सो.म.पु.) कक्षा क्र.-04 रिपोर्टिंग ऑफ मैनेजमेंट (पु.सु.म.)	कम्प्यूटर - I ग्रुप -1 T/S - W ग्रुप -2 T/S - Th ग्रुप -3 T/S - F	अंग्रेजी भाषा (सो.म.पु.) कक्षा क्र.-04	खेलकूद एवं सांस्कृतिक कार्यक्रम
बी.बी.एम तृतीय	अंग्रेजी भाषा कक्षा क्र.-08	मैनेजमेंट एकॉउंटिंग कक्षा क्र.-08	वैकल्पिक समूह कक्षा क्र.-08	इन्वॉयरमेंट टैक्स कक्षा क्र.-08	ऑडिटिंग कक्षा क्र.-08 (पु.सु.म.)	इन्वॉयरमेंट टैक्स कक्षा क्र.-08	कम्प्यूटर - I ग्रुप -1 T/S - W ग्रुप -2 T/S - Th ग्रुप -3 T/S - F	हिंदी भाषा (सो.म.पु.) कक्षा क्र.-08	सांस्कृतिक कार्यक्रम	खेलकूद

नोट 1 दृष्टान्तरित कक्षाएं
5 विशेष कॉलेज कक्षाएं


(स. से. के. प्रचारक)

प्राचार्य
शासकीय रानी अवंती बाई लोधी महाविद्यालय,
घुमका जिला-राजनांदगाँव (छ.ग.)

कार्यालय प्राचार्य, शासकीय रानी अवंतीबाई लोधी महाविद्यालय, घुमका जिला-राजनांदगाँव (छ.ग.)

समय सारणी

विज्ञान संकाय

सत्र 2023-24 (01 अगस्त 2023 से प्रभावशील)

कक्षा	10.30 से 11.10	11.10 से 11.50	11.50 से 12.30	12.30 से 01.10	01.10 से 01.50	01.50 से 02.30	02.30 से 03.10	03.10 से 03.50	03.50 से 04.30	04.30 से 05.10
	1	2	3	4	5	6	7	8	9	10
बी.एस.सी. - प्रथम	प्राणीशास्त्र कक्षा क्र.-2	गणित कक्षा क्र.-2	रसायनशास्त्र कक्षा क्र.-2	वनस्पतिशास्त्र कक्षा क्र.-2	भौतिकशास्त्र कक्षा क्र.-2	अंग्रेजी भाषा	पर्यावरण	हिंदी भाषा कक्षा क्र.-2 (गु.गु.ग.)	प्रायोगिक (सो.ग.गु.) खेलकूद एवं सांस्कृतिक कार्यक्रम (गु.ग.)	कम्प्यूटर - W रसायन - T/S - M गणित T/S - T प्राणीशास्त्र T/S - T वनस्पतिशास्त्र T/S - Th भौतिकशास्त्र T/S - F
बी.एस.सी. - द्वितीय	वनस्पतिशास्त्र कक्षा क्र.-05	भौतिकशास्त्र कक्षा क्र.-05	प्राणीशास्त्र कक्षा क्र.-05	रसायनशास्त्र कक्षा क्र.-05	अंग्रेजी भाषा कक्षा क्र.-05	गणित कक्षा क्र.-05	कम्प्यूटर - W रसायन - T/S - M गणित T/S - T प्राणीशास्त्र T/S - T वनस्पतिशास्त्र T/S - Th भौतिकशास्त्र T/S - F	हिंदी भाषा कक्षा क्र.-05 (गु.गु.ग.)	प्रायोगिक	खेलकूद एवं सांस्कृतिक कार्यक्रम
बी.एस.सी. - तृतीय	प्रायोगिक	रसायन शास्त्र कक्षा क्र.-18	भौतिकशास्त्र कक्षा क्र.-18	प्राणीशास्त्र कक्षा क्र.-18	गणित कक्षा क्र.-18	वनस्पतिशास्त्र कक्षा क्र.-18	अंग्रेजी भाषा (गु.गु.ग.) कक्षा क्र.-18	हिंदी भाषा कक्षा क्र.-18 (गु.गु.ग.)	कम्प्यूटर - W रसायन - T/S - M गणित T/S - T प्राणीशास्त्र T/S - T वनस्पतिशास्त्र T/S - Th भौतिकशास्त्र T/S - F	खेलकूद एवं सांस्कृतिक कार्यक्रम

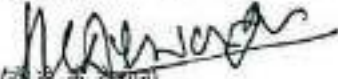
नोट

T

दृष्टीरेखल कक्षाएं

S

विशेष कोविड कक्षाएं


(बी.बी.के.के.के.के.के.)

प्राचार्य
शासकीय रानी अवंतीबाई लोधी महाविद्यालय,
घुमका, जिला-राजनांदगाँव (छ.ग.)

कार्यालय प्राचार्य, शासकीय रानी अवंतीबाई लोधी महाविद्यालय, घुमका जिला-राजनांदगाँव (छ.ग.)

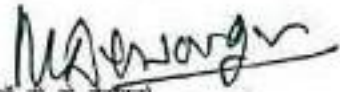
समय सारणी

कला संकाय

सत्र 2023-24 (01 अगस्त 2023 से प्रभावशील)

	10.30 से 11.10	11.10 से 11.50	11.50 से 12.30	12.30 से 01.10	01.10 से 01.50	01.50 से 02.30	02.30 से 03.10	03.10 से 03.50	03.50 से 04.30	04.30 से 05.10
	1	2	3	4	5	6	7	8	9	10
ए. - कक्षा	हिन्दी साहित्य कक्षा क्र.-16	राजनीतिशास्त्र कक्षा क्र.-16	अंग्रेजी भाषा कक्षा क्र.-16	इतिहास कक्षा क्र.-16	अर्थशास्त्र कक्षा क्र.-16	समाजशास्त्र कक्षा क्र.-16	हिन्दी भाषा (सो.ग.बु.) कक्षा क्र.-16	पर्यावरण	कम्प्यूटर - (M) हिन्दी साहित्य T/S- T समाजशास्त्र T/S - (B) राजनीतिशास्त्र T/S - (Tb) अर्थशास्त्र T/S - (D) इतिहास T/S - (B)	खेलकूद एवं सांस्कृतिक कार्यक्रम
ए. - कक्षा	हिन्दी भाषा कक्षा क्र.-17	समाजशास्त्र कक्षा क्र.-17	हिन्दी साहित्य कक्षा क्र.-17	राजनीतिशास्त्र कक्षा क्र.-17	इतिहास कक्षा क्र.-17	अर्थशास्त्र कक्षा क्र.-17	अंग्रेजी भाषा कक्षा क्र.-17	कम्प्यूटर - (M) हिन्दी साहित्य T/S- T समाजशास्त्र T/S - (B) राजनीतिशास्त्र T/S - (Tb) अर्थशास्त्र T/S - (D) इतिहास T/S - (B)	सांस्कृतिक कार्यक्रम	खेलकूद
ए. - कक्षा	राजनीतिशास्त्र कक्षा क्र.-01	इतिहास कक्षा क्र.-01	अर्थशास्त्र कक्षा क्र.-01	समाजशास्त्र कक्षा क्र.-01	हिन्दी साहित्य कक्षा क्र.-01	अंग्रेजी भाषा कक्षा क्र.-01	कम्प्यूटर - (M) हिन्दी साहित्य T/S- T समाजशास्त्र T/S - (B) राजनीतिशास्त्र T/S - (Tb) अर्थशास्त्र T/S - (D) इतिहास T/S - (B)	हिन्दी भाषा कक्षा क्र.-01	सांस्कृतिक कार्यक्रम	खेलकूद

नोट
T ट्यूटोरियल कक्षाएं
S विशेष कोचिंग कक्षाएं


(डॉ. वी. के. देशपांडे)

प्राचार्य
शासकीय रानी अवंतीबाई लोधी महाविद्यालय,
घुमका, जिला-राजनांदगाँव (छ.ग.)

कार्यालय प्राचार्य, शासकीय रानी अवंतीबाई लोधी महाविद्यालय, धुमका जिला-राजवांदगाँव (छग.)

समय-सारिणी

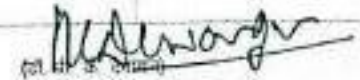
सत्र 2023-24 (01 अगस्त 2023 से प्रभावशील)

एम. ए. हिन्दी प्रथम/द्वितीय सेमेस्टर

कक्षा	11.10 से 11.50	11.50 से 12.30	12.30 से 01.10	01.10 से 01.50	01.50 से 02.30 तक
	1	2	3	4	5
एम.ए. हिन्दी प्रथम सेमेस्टर	प्राचीन एवं मध्यकालीन काव्य (द्वितीय)	छायावाद एवं पूर्ववर्ती काव्य (तृतीय)	आदिकाल एवं पूर्व मध्यकाल (प्रथम)	नाटक, एकांकी एवं चरित्रात्मक कृति (चतुर्थ)	खेलकूद एवं सांस्कृतिक कार्यक्रम
एम.ए. हिन्दी द्वितीय सेमेस्टर	मध्यकालीन काव्य (षष्ठम)	प्रयोगवादी एवं प्रगतिवादी काव्य (सप्तम)	उत्तर मध्यकाल एवं आधुनिक काल (पंचम)	उपन्यास, निबंध एवं कहानी (अष्टम)	खेलकूद एवं सांस्कृतिक कार्यक्रम

एम. ए. हिन्दी तृतीय/चतुर्थ सेमेस्टर

कक्षा	11.10 से 11.50	11.50 से 12.30	12.30 से 01.10	01.10 से 1.50	01.50 से 02.30 तक
	1	2	3	4	5
एम.ए. हिन्दी तृतीय सेमेस्टर	भाषा विज्ञान (द्वितीय)	साहित्य के सिद्धांत एवं आलोचना शास्त्र (प्रथम)	भारतीय साहित्य (चतुर्थ)	जामकाजी हिन्दी एवं पत्रकारिता (तृतीय)	खेलकूद एवं सांस्कृतिक कार्यक्रम
एम.ए. हिन्दी चतुर्थ सेमेस्टर	हिन्दी भाषा (षष्ठ)	हिन्दी आलोचना तथा समीक्षा शास्त्र (पंचम)	जनपदीय भाषा और साहित्य (छत्तीसगढ़ी) (अष्टम)	मीडिया लेखन एवं अनुवाद (सप्तम)	खेलकूद एवं सांस्कृतिक कार्यक्रम



प्राचार्य
शासकीय रानी अवंतीबाई लोधी महाविद्यालय,
धुमका, जिला-राजवांदगाँव (छग.)



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**DEPARTMENT OF BOTANY
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	PAPER- I BACTERIA UNIT (I TO IV)	B.SC-I	
2	PAPER- II BRYOPHYTA ETC. UNIT (I TO IV)	B.SC-I	
3	PAPER- I PLANT TAXO UNIT (I TO IV)	B.SC-II	
4	PAPER- II ECOLOGY ETC. UNIT (I TO IV)	B.SC-II	
5	PAPER- I ANALYICAL ETC. UNIT (I TO IV)	B.SC-III	
6	PAPER- II GENETIC ETC. UNIT (I TO IV)	B.SC-III	
7	PRACTICAL PAPER- III	B.SC-I	
8	PRACTICAL PAPER- III	B.SC-II	
9	PRACTICAL PAPER- III	B.SC-III	

MR. DEWANAND BANDHE
GUEST LECTURER
BOTANY

(DR. B. K. DEWANGAN)
PRINCIPAL
GOVT. RANI AVANTI BAI LODHI COLLEGE,
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**DEPARTMENT OF BOTANY
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:- MR. DEWANAND BANDHE , GUEST LECTURER BOTANY

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10	B.Sc. -2 Botany Theory Class	B.Sc. -2 Botany Theory Class	B.Sc. -2 Botany Theory Class	B.Sc. -2 Botany Theory Class	B.Sc. -2 Botany Theory Class	B.Sc. -2 Botany Theory Class
11.10 To 11.50						
11.50 To 12.30						
12.30 To 01.10	B.Sc. -1 Botany Theory Class	B.Sc. -1 Botany Theory Class	B.Sc. -1 Botany Theory Class	B.Sc. -1 Botany Theory Class	B.Sc. -1 Botany Theory Class	B.Sc. -1 Botany Theory Class
01.10 To 01.50						
01.50 To 02.30	B.Sc. -3 Botany Theory Class	B.Sc. -3 Botany Theory Class	B.Sc. -3 Botany Theory Class	B.Sc. -3 Botany Theory Class	B.Sc. -3 Botany Theory Class	B.Sc. -3 Botany Theory Class
02.30 To 03.10			B.Sc. -1 Botany & Physics Batch No. – 1, 2 PRACTICAL	B.Sc. -1 Botany & Physics Batch No. – 3, 4 PRACTICAL		
03.10 To 03.50	B.Sc. -3 Botany & Physics Batch No. – 1, 2 PRACTICAL	B.Sc. -3 Botany & Physics Batch No. – 3, 4 PRACTICAL				
03.50 To 04.30					B.Sc. -2 Botany & Physics Batch No. – 1, 2 PRACTICAL	B.Sc. -2 Botany & Physics Batch No. – 3, 4 PRACTICAL
04.30 To 05.10			B.Sc. -1 Remedial Class			B.Sc. -1 Special Coaching Tutorial Class

MR. DEWANAND BANDHE
GUEST LECTURER
BOTANY

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF BOTANY
INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- MR. DEWANAND BANDHE, Assistant Professor- GUEST LECTURER (BOTANY)

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.SC. I BOTANY	PAPER –I BACTERIA	103	6	
	PAPER –II BRYOPHYTA ETC.			
B.SC. II BOTANY	PAPER –I PLANT TAXO	95	6	
	PAPER –II ECOLOGY ETC.			
B.SC. III BOTANY	PAPER –I ANALYICAL ETC.	75	6	
	PAPER –II GENETIC ETC.			
PRACTICAL PAPER				
B.SC. I BOTANY	PRACTICAL B.N. 01	25	1	
	PRACTICAL B.N. 02	25		
	PRACTICAL B.N. 03	25	1	
	PRACTICAL B.N. 04	23		
B.SC. II BOTANY	PRACTICAL B.N. 01	25	1	
	PRACTICAL B.N. 02	25		
	PRACTICAL B.N. 03	25	1	
	PRACTICAL B.N. 04	21		
B.SC. III BOTANY	PRACTICAL B.N. 01	20	1	
	PRACTICAL B.N. 02	20		
	PRACTICAL B.N. 03	20	1	
	PRACTICAL B.N. 04	20		
Number of Teaching work load per week = 24				

MR. DEWANAND BANDHE
GUEST LECTURER
BOTANY

(DR. B. K. DEWANGAN)
PRINCIPAL
GOVT. RANI AVANTI BAI LODHI COLLEGE,
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**DEPARTMENT OF CHEMISTRY
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	PAPER- I INORGANIC AND PHYSICAL CHEMISTRY	B.SC-I	
2	PAPER- II ORGANIC AND PHYSICAL CHEMISTRY	B.SC-I	
3	PAPER- I INORGANIC CHEMISTRY	B.SC-II	
4	PAPER- II ORGANIC CHEMISTRY	B.SC-II	
5	PAPER- III PHYSICAL CHEMISTRY	B.SC-II	
6	PAPER- I INORGANIC CHEMISTRY	B.SC-III	
7	PAPER- II ORGANIC CHEMISTRY	B.SC-III	
8	PAPER- III PHYSICAL CHEMISTRY	B.SC-III	
9	PRACTICAL PAPER	B.SC-I	
10	PRACTICAL PAPER	B.SC-II	
11	PRACTICAL PAPER	B.SC-III	

Mrs. PRITI KHURSHAIL
ASSISTANT PROFESSOR
CHEMISTRY

(DR. B. K. DEWANGAN)
PRINCIPAL
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**DEPARTMENT OF CHEMISTRY
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:- Mrs. PRITI KHURSAIL , ASSISTANT PROFESSOR- CHEMISTRY

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10						
11.10 To 11.50	B.Sc. -3 Chemistry Theory Class	B.Sc. -3 Chemistry Theory Class	B.Sc. -3 Chemistry Theory Class	B.Sc. -3 Chemistry Theory Class	B.Sc. -3 Chemistry Theory Class	B.Sc. -3 Chemistry Theory Class
11.50 To 12.30	B.Sc. -1 Chemistry Theory Class	B.Sc. -1 Chemistry Theory Class	B.Sc. -1 Chemistry Theory Class	B.Sc. -1 Chemistry Theory Class	B.Sc. -1 Chemistry Theory Class	B.Sc. -1 Chemistry Theory Class
12.30 To 01.10	B.Sc. -2 Chemistry Theory Class	B.Sc. -2 Chemistry Theory Class	B.Sc. -2 Chemistry Theory Class	B.Sc. -2 Chemistry Theory Class	B.Sc. -2 Chemistry Theory Class	B.Sc. -2 Chemistry Theory Class
01.10 To 01.50						
01.50 To 02.30						
02.30 To 03.10	B.Sc. -3 PRACTICAL	B.Sc. -3 PRACTICAL	B.Sc. -3 PRACTICAL	B.Sc. -2 TUTORIAL CLASS	B.Sc. -3 PRACTICAL	B.Sc. -3 PRACTICAL
03.10 To 03.50						
03.50 To 04.30	B.Sc. -2 PRACTICAL	B.Sc. -2 PRACTICAL	B.Sc. -2 PRACTICAL	B.Sc. -2 PRACTICAL	B.Sc. -3 TUTORIAL CLASS	B.Sc. -2 PRACTICAL
04.30 To 05.10	B.Sc. -1 PRACTICAL	B.Sc. -1 PRACTICAL	B.Sc. -1 TUTORIAL CLASS	B.Sc. -1 PRACTICAL	B.Sc. -1 PRACTICAL	B.Sc. -1 PRACTICAL

Mrs. PRITI KHURSHAIL
ASSISTANT PROFESSOR
CHEMISTRY

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF CHEMISTRY
INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- Mrs. PRITI KHURSAIL, ASSISTANT PROFESSOR CHEMISTRY

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.SC. I CHEMISTRY	PAPER –I INORGANIC CHEMISTRY AND PHYSICAL	117	6	
	PAPER-II ORGANIC AND PHYSICAL CHEMISTRY			
B.SC. II CHEMISTRY	PAPER-I INORGANIC CHEMISTRY	115	6	
	PAPER-II ORGANIC CHEMISTRY			
	PAPER –III PHYSICAL CHEMISTRY			
B.SC. III CHEMISTRY	PAPER –I INORGANIC CHEMISTRY	86	6	
	PAPER –II ORGANIC CHEMISTRY			
	PAPER- III PHYSICAL CHEMISTRY			
PRACTICAL PAPER				
B.SC. I CHEMISTRY	PRACTICAL		2	
	PRACTICAL			
B.SC. II CHEMISTRY	PRACTICAL		2	
	PRACTICAL			
B.SC. III CHEMISTRY	PRACTICAL		2	
	PRACTICAL			
Number of Teaching work load per week = 24				

Mrs. PRITI KHURSHAIL
ASSISTANT PROFESSOR
CHEMISTRY

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF COMMERCE
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	PAPER-I Business communication (UNIT I TO V)	B.COM. I	
2	PAPER-II Business environment (UNIT I TO V)	B.COM. I	
3	PAPER-I Cost writing (UNIT I TO V)	B.COM. II	
4	PAPER-II Principal of management (UNIT I TO V)	B.COM. II	
5	PAPER-I Mnagerial accounting (UNIT I TO V)	B.COM. III	
6	PAPER-II Indirect tax, G.S.T. Including (UNIT I TO V)	B.COM. III	

Mr. VEDRAM DEWANGAN
JANBHAGIDARI TEACHER
COMMERCE

(DR. B. K. DEWANGAN)
PRINCIPAL
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**DEPARTMENT OF COMMERCE
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher: Mr. VEDRAM DEWANGAN, JANBHAGIDARI COMMERCE

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10						
11.10 To 11.50	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class
11.50 To 12.30	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class
12.30 To 01.10	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class
01.10 To 01.50	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class
01.50 To 02.30	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class
02.30 To 03.10	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class
03.10 To 03.50						
03.50 To 04.30						
04.30 To 05.10						

Mr. VEDRAM DEWANGAN
JANBHAGIDARI TEACHER
COMMERCE

(DR. B. K. DEWANGAN)
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DEPARTMENT OF COMMERCE

**INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- Mr. VEDRAM DEWANGAN, JANBHAGIDARI, COMMERCE

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.COM.- I COMMERCE	PAPER-I Business communication	61	6	
	PAPER-II Business environment			
B.COM.- II COMMERCE	PAPER-I Cost writing	51	6	
	PAPER-II Principal of management			
B.COM.- III COMMERCE	PAPER-I Managerial accounting	30	6	
	PAPER-II Indirect tax, G.S.T. Including			
Number of Teaching work load per week = 18				

Mr. VEDRAM DEWANGAN
JANBHAGIDARI TEACHER
COMMERCE

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF COMMERCE
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	PAPER-I FINANCIAL ACCOUNTING (UNIT I TO V)	B.COM. I	
2	PAPER-II BUSS. REG. FRAMEWORK (UNIT I TO V)	B.COM. I	
3	PAPER-I CORPORATE ACCOUNTING (UNIT I TO V)	B.COM. II	
4	PAPER-II COMPANY LAW (UNIT I TO V)	B.COM. II	
5	PAPER-I INCOME TAX (UNIT I TO V)	B.COM. III	
06	PAPER-II ACCOUNTING (UNIT I TO V)	B.COM. III	

Dr. SATYADEV TRIPATHI
ASSISTANT PROFESSOR
COMMERCE

(DR. B. K. DEWANGAN)
PRINCIPAL
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**DEPARTMENT OF COMMERCE
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher: Dr. SATYADEV TRIPATHI, ASSISTANT PROFESSOR COMMERCE

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10						
11.10 To 11.50						
11.50 To 12.30	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class
12.30 To 01.10	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class
01.10 To 01.50	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class
01.50 To 02.30	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class	B.COM I Theory Class
02.30 To 03.10	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class	B.COM II Theory Class
03.10 To 03.50	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class	B.COM III Theory Class
03.50 To 04.30						
04.30 To 05.10						

Dr. SATYADEV TRIPATHI
ASSISTANT PROFESSOR
COMMERCE

(DR. B. K. DEWANGAN)
PRINCIPAL
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DEPARTMENT OF COMMERCE

**INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- Dr. SATYADEV TRIPATHI, ASSISTANT PROFESSOR COMMERCE

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.COM.- I COMMERCE	PAPER-I FINANCIAL ACCOUNTING	61	6	
	PAPER-II BUSS. REG. FRAMEWORK			
B.COM.- II COMMERCE	PAPER-I CORPORATE ACCOUNTING	51	6	
	PAPER-II COMPANY LAW			
B.COM.- III COMMERCE	PAPER-I INCOME TAX	30	6	
	PAPER-II ACCOUNTING			
Number of Teaching work load per week = 18				

Dr. SATYADEV TRIPATHI
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COMMERCE

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**DEPARTMENT OF ECONOMICS
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	PAPER-I Micro economics	B.A.I	
2	PAPER-II Indian economics	B.A.I	
3	PAPER-I Micro economics	B.A.II	
4	PAPER-II Money, banking and public finance	B.A.II	
5	PAPER-I Development and environmental economics	B.A.III	
6	PAPER-II Statistical methods	B.A. III	
7	PAPER-II Business economics	B.COM I	
8	PAPER I Business statistics	B.COM II	

Dr. ROHAN PRASHAD
ASSITANCE PROFESSOR
ECONOMICS

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF ECONOMICS
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:- -Dr. ROHAN PRASHAD ,ASSISTANT PROFESSOR- ECONOMICS

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10						
11.10 To 11.50	B.COM II Theory class	B.COM II Theory class	B.COM II Theory class	B.COM II Theory class	B.COM II Theory class	B.COM II Theory class
11.50 To 12.30	B.A. III Theory class	B.A. III Theory class	B.A. III Theory class	B.A. III Theory class	B.A. III Theory class	B.A. III Theory class
12.30 To 01.10	B.COM I Theory class	B.COM I Theory class	B.COM I Theory class	B.COM I Theory class	B.COM I Theory class	B.COM I Theory class
01.10 To 01.50	B.A.-1 Theory Class	B.A.-1 Theory Class	B.A.-1 Theory Class	B.A.-1 Theory Class	B.A.-1 Theory Class	B.A.-1 Theory Class
01.50 To 02.30	B.A.-II Theory Class	B.A.-II Theory Class	B.A.-II Theory Class	B.A.-II Theory Class	B.A.-II Theory Class	B.A.-II Theory Class
02.30 To 03.10						
03.10 To 03.50						
03.50 To 04.30						
04.30 To 05.10						

Dr. ROHAN PRASHAD
ASSISTANT PROFESSOR
ECONOMICS

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF HISTORY
INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- Dr. ROHAN PRASHAD ,ASSISTANT PROFESSOR- ECONOMICS

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.A.- I ECONOMICS	PAPER-I Micro economics	06	6	
	PAPER-II Indian Economics			
B.A. -II ECONOMICS	PAPER-I Micro economics	12	6	
	PAPER-II Money, banking and public finance			
B.A.- III ECONOMICS	PAPER-I Development and environmental economics	04	6	
	PAPER-II Statistical method			
B.COM. I	PAPER II Business economics	61	6	
B.COM II	PAPER I Business statistics	51	6	
Number of Teaching work load per week = 30				

Dr. ROHAN PRASHAD
ASSITANCE PROFESSOR
ECONOMICS

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**DEPARTMENT OF ENGLISH
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	ENGLISH LANGUAGE	B.A.I	
2	ENGLISH LANGUAGE	B.A.III	
3	ENGLISH LANGUAGE	B.Sc.- III	
4	ENGLISH LANGUAGE	B.COM.-I	

MR. BHARTENDU VERMA
ASSISTANT PROFESSOR
ENGLISH

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**DEPARTMENT OF ENGLISH
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:-Mr. BHARTENDU VERMA, ASSISTANT PROFESSOR, ENGLISH

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10						
11.10 To 11.50	B.COM-I ENGLISH LANGUAGE	B.COM-I ENGLISH LANGUAGE	B.COM-I ENGLISH LANGUAGE	B.COM-I ENGLISH LANGUAGE	B.COM-I ENGLISH LANGUAGE	B.COM-I ENGLISH LANGUAGE
11.50 To 12.30	B.A.-I ENGLISH LANGUAGE	B.A.-I ENGLISH LANGUAGE	B.A.-I ENGLISH LANGUAGE	B.A.-I ENGLISH LANGUAGE	B.A.-I ENGLISH LANGUAGE	B.A.-I ENGLISH LANGUAGE
12.30 To 01.10						
01.10 To 01.50						
01.50 To 02.30	B.A.III ENGLISH LANGUAGE	B.A.III ENGLISH LANGUAGE	B.A.III ENGLISH LANGUAGE	B.A.III ENGLISH LANGUAGE	B.A.III ENGLISH LANGUAGE	B.A.III ENGLISH LANGUAGE
02.30 To 03.10	B.Sc.III ENGLISH LANGUAGE	B.Sc.III ENGLISH LANGUAGE	B.Sc.III ENGLISH LANGUAGE	B.Sc.III ENGLISH LANGUAGE	B.Sc.III ENGLISH LANGUAGE	B.Sc.III ENGLISH LANGUAGE
03.10 To 03.50						
03.50 To 04.30						
04.30 To 05.10						

MR. BHARTENDU VERMA
ASSISTANT PROFESSOR
ENGLISH

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**DEPARTMENT OF ENGLISH
INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- MR. BHARTENDU VERMA, ASSISTANT PROFESSOR, ENGLISH

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.A-I	ENGLISH LANGUAGE	202	6	
B.A.III	ENGLISH LANGUAGE	142	6	
B.Sc.-III	ENGLISH LANGUAGE	86	6	
B.Com.-I	ENGLISH LANGUAGE	61	6	
Number of Teaching work load per week =24				

MR. BHARTENDU VERMA
ASSISTANT PROFESSOR
ENGLISH

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**DEPARTMENT OF ENGLISH
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

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S.No.	Name of the Course	Class	Division
1	ENGLISH LANGUAGE	B.A.II	
2	ENGLISH LANGUAGE	B.Sc.-I	
3	ENGLISH LANGUAGE	B.Sc.- II	
4	ENGLISH LANGUAGE	B.COM.-II	
5	ENGLISH LANGUAGE	B.COM.-III	

MR. DEVSHARAN VERMA
JANBHAGIDARI TEACHER
ENGLISH

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**DEPARTMENT OF ENGLISH
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:-DEVSHARAN VERMA , JABHAGIDARI TEACHER ENGLISH

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10						
11.10 To 11.50	B.COM.-II ENGLISH LANGUAGE	B.COM.-II ENGLISH LANGUAGE	B.COM.-II ENGLISH LANGUAGE	B.COM.-II ENGLISH LANGUAGE	B.COM.-II ENGLISH LANGUAGE	B.COM.-II ENGLISH LANGUAGE
11.50 To 12.30	B.COM.-III ENGLISH LANGUAGE	B.COM.-III ENGLISH LANGUAGE	B.COM.-III ENGLISH LANGUAGE	B.COM.-III ENGLISH LANGUAGE	B.COM.-III ENGLISH LANGUAGE	B.COM.-III ENGLISH LANGUAGE
12.30 To 01.10						
01.10 To 01.50	B.Sc.-II ENGLISH LANGUAGE	B.Sc.-II ENGLISH LANGUAGE	B.Sc.-II ENGLISH LANGUAGE	B.Sc.-II ENGLISH LANGUAGE	B.Sc.-II ENGLISH LANGUAGE	B.Sc.-II ENGLISH LANGUAGE
01.50 To 02.30	B.Sc.-I ENGLISH LANGUAGE	B.Sc.-I ENGLISH LANGUAGE	B.Sc.-I ENGLISH LANGUAGE	B.Sc.-I ENGLISH LANGUAGE	B.Sc.-I ENGLISH LANGUAGE	B.Sc.-I ENGLISH LANGUAGE
02.30 To 03.10						
03.10 To 03.50						
03.50 To 04.30						
04.30 To 05.10						

MR. DEVSHARAN VERMA
JANBHAGIDHARI TEACHER
ENGLISH

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF ENGLISH
INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- MR. DEVSHARAN VERMA, JANBHAGIDARI TEACHER ENGLISH

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.A-II	ENGLISH LANGUAGE	188	6	
B.Sc.-I	ENGLISH LANGUAGE	112	6	
B.Sc.-II	ENGLISH LANGUAGE	115	6	
B.Com.-II	ENGLISH LANGUAGE	51	6	
B.Com.-III	ENGLISH LANGUAGE	30	6	
Number of Teaching work load per week =30				

MR. DEVSHARAN VERMA
JANBHAGIDARI TEACHER
ENGLISH

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**DEPARTMENT OF HINDI
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	HINDI LITERATURE (UNIT – I TO V) PAPER-I PRACHIN HINDI KAVYA PAPER- II HINDI KATHA SAHITYA	B.A.I	
3	AADHUNIK HINDI KAVYA- I	M.A.I Sem	
4	AADHUNIK HINDI KAVYA- II	M.A.II Sem	
5	KAMKAYI HINDI AVM PATRAKARITA	M.A.III Sem	
6	MEDIA LEKHAN	M.A.IV Sem	
7	HINDI LANGUAGE (UNIT – I TO V)	B.COM. I	
8	HINDI LANGUAGE (UNIT – I TO V)	B.SC.-I	

MR. VINOD VERMA
JANBHAGIDHARI TEACHER
HINDI

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF HINDI
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:- VINOD VERMA, JANBHAGIDARI TEACHER HINDI

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10	B.A.-1 Theory Class	B.A. -1 Theory Class	B.A. -1 Theory Class	B.A.-1 Theory Class	B.A.-1 Theory Class	B.A.-1 Theory Class
11.10 To 11.50						
11.50 To 12.30	M.A. HINDI-1 SEM	M.A. HINDI-1 SEM	M.A. HINDI-1 SEM	M.A. HINDI-1 SEM	M.A. HINDI-1 SEM	M.A. HINDI-1 SEM
12.30 To 01.10						
01.10 To 01.50	M.A.-3 HINDI SEM	M.A.-3 HINDI SEM	M.A.-3 HINDI SEM	M.A.-3 HINDI SEM	M.A.-3 HINDI SEM	M.A.-3 HINDI SEM
01.50 To 02.30						
02.30 To 03.10	B.A.-1 HINDI LANGUAGE Theory Class	B.A.-1 HINDI LANGUAGE Theory Class	B.A.-1 HINDI LANGUAGE Theory Class	B.COM.-1 HINDI LANGUAGE Theory Class	B.COM.-1 HINDI LANGUAGE Theory Class	B.COM.-1 HINDI LANGUAGE Theory Class
03.10 To 03.50				B.SC.-1 HINDI LANGUAGE	B.SC.-1 HINDI LANGUAGE	B.SC.-1 HINDI LANGUAGE
03.50 To 04.30		B.A.I T&S				
04.30 To 05.10						

MR. VINOD VERMA
JANBHAGIDHARI TEACHER
HINDI

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF HINDI
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

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S.No.	Name of the Course	Class	Division
1	PAPER-I आर्वाचीन हिंदी काव्य	B.A.II	
2	PAPER-II हिंदी निबंध तथा विद्याएं अन्य गद्य	B.A.II	
3	PAPER-I आदिकाल एवं पूर्व मध्यकाल	M.A.I Sem	
4	PAPER-IV भारतीय साहित्य	M.A.III Sem	
5	आधार पाठ्यक्रम हिंदी भाषा	B.A.II	
6	आधार पाठ्यक्रम हिंदी भाषा	B.SC. II	
7	आधार पाठ्यक्रम हिंदी भाषा	B.COM. III	

MR. JAY VERMA
JANBHAGIDARI TEACHER
HINDI

(DR. B. K. DEWANGAN)
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DEPARTMENT OF HINDI

**INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:- JAYPRAKASH VERMA , JABHAGIDARI TEACHER HINDI

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10	B.A.-2 Theory Class	B.A. -2 Theory Class	B.A. -2 Theory Class			
11.10 To 11.50	M.A. HINDI-3 SEM	M.A. HINDI-3 SEM	M.A. HINDI-3 SEM	M.A. HINDI-3 SEM	M.A. HINDI-3 SEM	M.A. HINDI-3 SEM
11.50 To 12.30	B.A.-2 HINDI LITERATURE Theory Class	B.A.-2 HINDI LITERATURE Theory Class	B.A.-2 HINDI LITERATURE Theory Class	B.A.-2 HINDI LITERATURE Theory Class	B.A.-2 HINDI LITERATURE Theory Class	B.A.-2 HINDI LITERATURE Theory Class
12.30 To 01.10	M.A.-1 HINDI SEM	M.A.-1 HINDI SEM	M.A.-1 HINDI SEM	M.A.-1 HINDI SEM	M.A.-1 HINDI SEM	M.A.-1 HINDI SEM
01.10 To 01.50						
01.50 To 02.30	B.COM-2 HINDI	B.COM- 2 HINDI	B.COM- 2 HINDI			
02.30 To 03.10						
03.10 To 03.50						
03.50 To 04.30						
04.30 To 05.10						

MR. JAY VERMA
JANBHAGIDHARI TEACHER
HINDI

(DR. B. K. DEWANGAN)
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**DEPARTMENT HINDI
INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- MR JAY PRAKASH VERMA, JANBHAGIDARI TEACHER HINDI

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
M.A. HINDI -1 AND 3 SEM	आदिकाल एवं पूर्व मध्यकाल	20	6	
	भारतीय साहित्य	34		
B.A. -2 HINDI LITERATURE AND HINDI LANGUAGE	PAPER-I पद्य खण्ड	168	6	
	PAPER-II गद्य खण्ड			
	आधार पाठ्यक्रम हिंदी भाषा	188	3	
B.COM-2 AND B.SC.-2	हिंदी भाषा	51	3	
	हिंदी भाषा	115	3	
PRACTICAL PAPER				
Number of Teaching work load per week =21				

MR. JAY VERMA
JANBHAGIDARI TEACHER
HINDI

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**DEPARTMENT OF HISTROY
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	PAPER-I HISTORY OF INDIA (UNIT I TO V)	B.A.I	
2	PAPER-II HISTORY OF WORLD (UNIT I TO V)	B.A.I	
3	PAPER-I HISTORY OF INDIA (UNIT I TO V)	B.A.II	
4	PAPER-II HISTORY OF WORLD (UNIT I TO V)	B.A.II	
5	PAPER-I HISTORY OF INDIA (UNIT I TO V)	B.A.III	
6	PAPER-II HISTORY OF WORLD (UNIT I TO V)	B.A. III	

MR. DEEPAK VERMA
ASSITANCE PROFESSOR
HISTORY

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF HISTORY
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:- -MR. DEEPAK VERMA ,ASSISTANT PROFESSOR- HISTORY

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10						
11.10 To 11.50	B.A.-3 HISTORY Theory Class	B.A.-3 HISTORY Theory Class	B.A.-3 HISTORY Theory Class	B.A.-3 HISTORY Theory Class	B.A.-3 HISTORY Theory Class	B.A.-3 HISTORY Theory Class
11.50 To 12.30						
12.30 To 01.10	B.A.-1 HISTORY Theory Class	B.A.-1 HISTORY Theory Class	B.A.-1 HISTORY Theory Class	B.A.-1 HISTORY Theory Class	B.A.-1 HISTORY Theory Class	B.A.-1 HISTORY Theory Class
01.10 To 01.50	B.A.-II HISTORY Theory Class	B.A.-II HISTORY Theory Class	B.A.-II HISTORY Theory Class	B.A.-II HISTORY Theory Class	B.A.-II HISTORY Theory Class	B.A.-II HISTORY Theory Class
01.50 To 02.30						
02.30 To 03.10						
03.10 To 03.50	B.A.-1 Tutorial					
03.50 To 04.30		B.A.-2 Tutorial	B.A.-3 Tutorial	B.A.-1 Tutorial	B.A.-2 Tutorial	B.A.-3 Tutorial
04.30 To 05.10						

MR. DEEPAK VERMA
ASSITANCE PROFESSOR
HISTORY

(DR. B. K. DEWANGAN)
PRINCIPAL
GOVT. RANI AVANTI BAI LODHI COLLEGE,
GHUMKA, DISTT.-RAJNANDGAON (C.G.)



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college code-1904



**DEPARTMENT OF HISTORY
INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- MR. DEEPAK VERMA ,ASSISTANT PROFESSOR- HISTORY

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.A.- I HISTORY	PAPER-I HISTORY OF INDIA	57	6+2	
	PAPER-II HISTORY OF WORLD			
B.A. -II HISTORY	PAPER-I HISTORY OF INDIA	36	6+2	
	PAPER-II HISTORY OF WORLD			
B.A.- III HISTORY	PAPER-I HISTORY OF INDIA	18	6+2	
	PAPER-II HISTORY OF WORLD			
PRACTICAL PAPER				
Number of Teaching work load per week = 24				

MR. DEEPAK VERMA
ASSITANCE PROFESSOR
HISTORY

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF MATHEMATICS
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	Paper – I CALCULUS	B.Sc.I	
2	Paper – II ALGEBRA	B.Sc.I	
3	Paper – I ADVANCED CALCULUS	B.Sc.II	
4	Paper – II DIFFERENTIAL EQUATION	B.Sc.II	
5	Paper – III MECHANICS	B.Sc.II	
6	Paper –I ANALYSIS	B.Sc.III	
7	Paper –II ABSTRACT ALGEBRA	B.Sc.III	
8	Paper –III DISCRETE MATHEMATICS	B.Sc.III	
9	BUSINESS MATHEMATICS	B.Com.I	
10	PROJECT WORK	B.Sc I	

SMT. VARSHA SAHU
GEUST LECTURER
MATHEMATICS

(DR. B. K. DEWANGAN)
PRINCIPAL
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DEPARTMENT OF MATHEMATICS
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24

Name of the Teacher:- SMT. VARSHA SAHU, Assistant Professor- GUEST LECTURER

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10	B.COM-I Theory Class	B.COM-I Theory Class	B.COM-I Theory Class	B.COM-I Theory Class	B.COM-I Theory Class	B.COM-I Theory Class
11.10 To 11.50	B.SC.-I	B.SC.-I	B.SC.-I	B.SC.-I	B.SC.-I	B.SC.-I
01.10 To 01.50	B.SC.-III	B.SC.-III	B.SC.-III	B.SC.-III	B.SC.-III	B.SC.-III
01.50 To 02.30	B.SC.-II	B.SC.-II	B.SC.-II	B.SC.-II	B.SC.-II	B.SC.-II

SMT. VARSHA SAHU
GEUST LECTURER
MATHEMATICS

(DR. B. K. DEWANGAN)
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DEPARTMENT OF MATHEMATICS

INDIVIDUAL WORKLOAD

YEAR 2023-24

Name of the Teacher:- SMT. VARSHA SAHU ,Assistant Professor- GEUST LECTURER

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.SC.- I	PAPER- I	06	6	
	PAPER- II			
B.SC.- II	PAPER-I	19	6	
	PAPER-II			
	PAPER-III			
B.SC.- III	PAPER-I	11	6	
	PAPER-II			
	PAPER- III			
B.COM.- I	BUSINESS MATHEMATICS	55	6	
PROJECT WORK				
B.SC.- I			6	
	HISTORY OF MATHEMATICIAN	6		

SMT. VARSHA SAHU
GEST LECTURER
MATHEMATICS

(DR. B. K. DEWANGAN)
PRINCIPAL
GOVT. RANI AVANTI BAI LODHI COLLEGE,
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**DEPARTMENT OF PHYSICS
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	PAPER-I MECHANICS, OSCILLATIONS AND PROPERTIES OF MATTER	B.SC. I	
2	PAPER-II ELECTRICITY, MAGNETISM, ELECTROMAGNETIC THEORY	B.SC. I	
3	PAPER-I THERMODYNAMICS, KINETIC THEORY AND STATISTICAL	B.SC. II	
4	PAPER-II WAVES, ACOUSTIC, OPTICS	B.SC. II	
5	PAPER-I RELATIVITY, QUANTUM, MECHANICS, ATOMIC, NUCLEAR	B.SC. III	
6	PAPER-II SOLID STATE PHYSICS, SOLID STATE DEVICES	B.SC. III	
7	PRACTICAL PAPER-III	B.SC. I	
8	PRACTICAL PAPER-III	B.SC. II	
9	PRACTICAL PAPER-III	B.SC. III	

POOJA SAHU
GUEST LECTURER
PHYSICS

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF PHYSICS
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:- POOJA SAHU, Assistant Professor - PHYSICS GUEST LECTURER

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10						
11.10 To 11.50	B.Sc. -2 Physics Theory Class	B.Sc. -2 Physics Theory Class	B.Sc. -2 Physics Theory Class	B.Sc. -2 Physics Theory Class	B.Sc. -2 Physics Theory Class	B.Sc. -2 Physics Theory Class
11.50 To 12.30	B.Sc. -3 Physics Theory Class	B.Sc. -3 physics Theory Class	B.Sc. -3 Physics Theory Class	B.Sc. -3 Physics Theory Class	B.Sc. -3 Physics Theory Class	B.Sc. -3 Physics Theory Class
12.30 To 01.10						
01.10 To 01.50	B.Sc. -1 physics Theory Class	B.Sc. -1 physics Theory Class	B.Sc. -1 Physics Theory Class	B.Sc. -1 physics Theory Class	B.Sc. -1 physics Theory Class	B.Sc. -1 physics Theory Class
01.50 To 02.30						
02.30 To 03.10			B.Sc. -1 Botany & Physics Batch No. – 1, 2 PRACTICAL	B.Sc. -1 Botany & Physics Batch No. – 3, 4 PRACTICAL		
03.10 To 03.50	B.Sc. -3 Botany & Physics Batch No. – 1, 2 PRACTICAL	B.Sc. -3 Botany & Physics Batch No. – 3, 4 PRACTICAL				
03.50 To 04.30					B.Sc. -2 Botany & Physics Batch No. – 1, 2 PRACTICAL	B.Sc. -2 Botany & Physics Batch No. – 3, 4 PRACTICAL
04.30 To 05.10			B.Sc. -1 Remedial Class			B.Sc. -1 Special Coaching Tutorial Class

POOJA SAHU
GUEST LECTURER
PHYSICS

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**DEPARTMENT OF PHYSICS
INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- POOJA SAHU ,Assistant Professor- PHYSICS GUEST LECTURER

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.SC. I PHYSICS	PAPER-I MECHANICS, OSCILLATIONS	09	6	
	PAPER-II ELECTRICITY, MAGNETISM,			
B.SC. II PHYSICS	PAPER-I THERMODYNAMICS, KINETIC THEORY	20	6	
	PAPER-II WAVES, ACOUSTIC, OPTICS			
B.SC. III PHYSICS	PAPER-I RELATIVITY, QUANTUM, MECHANICS, ATOMIC	11	6	
	PAPER-II SOLIDSTATE PHYSICS,SOLID STATE DEVICES			
PRACTICAL PAPER				
B.SC. I PHYSICS	PRACTICAL B.N. 01		1	
	PRACTICAL B.N. 02		1	
			1	
B.SC. II PHYSICS	PRACTICAL B.N. 01		1	
	PRACTICAL B.N. 02			
B.SC. III PHYSICS				
	PRACTICAL B.N. 01		1	
	PRACTICAL B.N. 02		1	
Number of Teaching work load per week = 24				

POOJA SAHU
GUEST LECTURER
PHYSICS

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF POLITICAL SCIENCE
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	PAPER-I POLITICAL THEORY	B.A.I	
2	PAPER-II INDIAN GOVT. AND POLITICS	B.A.I	
3	PAPER-I POLITICAL THOUGHT	B.A.II	
4	PAPER-II COMPURATIVE GOVT. POLITICS	B.A.II	
5	PAPER-I PUBLIC ADMINISTRATION	B.A.III	
6	PAPER-II INTERNATIONAL POLITICS FOREIGN POLICY OF INDIA	B.A. III	

SMT. YOGITA BANJARE
GUEST LECTURER
POLITICAL

(DR. B. K. DEWANGAN)
PRINCIPAL
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**DEPARTMENT OF POLITICAL SCIENCE
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:- -SMT. YOGITA BANJARE, GEUST LECTURER POLITICAL

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10	B.A.-3 POLI. SCI. Theory Class	B.A.-3 POLI. SCI. Theory Class	B.A.-3 POLI. SCI. Theory Class	B.A.-3 POLI. SCI. Theory Class	B.A.-3 POLI. SCI. Theory Class	B.A.-3 POLI. SCI. Theory Class
11.10 To 11.50	B.A.-1 POLI. SCI. Theory Class	B.A.-1 POLI. SCI. Theory Class	B.A.-1 POLI. SCI. Theory Class	B.A.-1 POLI. SCI. Theory Class	B.A.-1 POLI. SCI. Theory Class	B.A.-1 POLI. SCI. Theory Class
11.50 To 12.30						
12.30 To 01.10	B.A.-2 POLI. SCI. Theory Class	B.A.-2 POLI. SCI. Theory Class	B.A.-2 POLI. SCI. Theory Class	B.A.-2 POLI. SCI. Theory Class	B.A.-2 POLI. SCI. Theory Class	B.A.-2 POLI. SCI. Theory Class
01.10 To 01.50						
01.50 To 02.30						
02.30 To 03.10						
03.10 To 03.50	B.A.-1 EVS. Theory Class	B.A.-1 EVS. Theory Class	B.A.-1 EVS. Theory Class	B.A.-1 EVS. Theory Class	B.A.-1 EVS. Theory Class	B.A.-1 EVS. Theory Class
03.50 To 04.30						
04.30 To 05.10						

SMT. YOGITA BANJARE
GUEST LECTURER
POLITICAL

(DR. B. K. DEWANGAN)
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DEPARTMENT OF POLITICAL SCIENCE

INDIVIDUAL WORKLOAD YEAR 2023-24

Name of the Teacher:- SMT. YOGITA BANJARE , GEUST LECTURER POLITICAL

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.A.- I	PAPER-I POLITICAL THEORY	196	6	
	PAPER-II INDIAN GOVT. AND POLITICS			
B.A. -II	PAPER-I POLITICAL THOUGHT	182	6	
	PAPER-II COMPURATIVE GOVT. POLITICS			
B.A.-III	PAPER-I INTERNATIONAL POLITICS FOREIGN POLICY OF INDIA	138	6	
	PAPER-II PUBLIC ADMINISTRATION			
PROJECT WORK				
B.A.-I	ENVIRONMENT STUDY	200	6	
Number of Teaching work load per week = 24				

SMT. YOGITA BANJARE
GUEST LECTURER
POLITICAL

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF SOCIOLOGY
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24**

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	PAPER-I INTRODUCTION OF SOCIOLOGY (UNIT I TO V)	B.A.I	
2	PAPER-II CONTEMPORARY INDIAN SOCIETY (UNIT I TO V)	B.A.I	
3	PAPER-I SOCIOLOGY OF TRIBAL SOCIETY (UNIT I TO V)	B.A.II	
4	PAPER-II CRIME AND SOCIETY (UNIT I TO V)	B.A.II	
5	PAPER-I BASICS OF SOCIAL THINKERS	B.A.III	
6	PAPER-II SOCIAL RESEARCH METHODOLOGY	B.A. III	

(DR. B. K. DEWANGAN)
PRINCIPAL

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**DEPARTMENT OF SOCIOLOGY
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:- -DR. B. K. DEWANGAN ,ASSISTANT PROFESSOR- SOCIOLOGY

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10						
11.10 To 11.50	B.A.-2 SOCIOLOGY Theory Class	B.A.-2 SOCIOLOGY Theory Class	B.A.-2 SOCIOLOGY Theory Class	B.A.-2 SOCIOLOGY Theory Class	B.A.-2 SOCIOLOGY Theory Class	B.A.-2 SOCIOLOGY Theory Class
11.50 To 12.30						
12.30 To 01.10	B.A.-3 SOCIOLOGY Theory Class	B.A.-3 SOCIOLOGY Theory Class	B.A.-3 SOCIOLOGY Theory Class	B.A.-3 SOCIOLOGY Theory Class	B.A.-3 SOCIOLOGY Theory Class	B.A.-3 SOCIOLOGY Theory Class
01.10 To 01.50						
01.50 To 02.30	B.A.-1 SOCIOLOGY Theory Class	B.A.-1 SOCIOLOGY Theory Class	B.A.-1 SOCIOLOGY Theory Class	B.A.-1 SOCIOLOGY Theory Class	B.A.-1 SOCIOLOGY Theory Class	B.A.-1 SOCIOLOGY Theory Class
02.30 To 03.10						
03.10 To 03.50						
03.50 To 04.30						
04.30 To 05.10						

(DR. B. K. DEWANGAN)
PRINCIPAL

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**DEPARTMENT SOCIOLOGY
INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- DR. B. K. DEWANGAN ,ASSISTANT PROFESSOR- SOCIOLOGY

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.A.- I	PAPER-I	163	6	
	PAPER-II			
B.A. -II	PAPER-I	161	6	
	PAPER-II			
B.A.-III	PAPER-I	128	6	
	PAPER-II			
PRACTICAL PAPER				
Number of Teaching work load per week = 18				

(DR. B. K. DEWANGAN)
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DEPARTMENT OF - ZOOLOGY
COURSE COMPLETION REPORT
ACADEMIC YEAR 2023-24

This is to certify that I, the undersigned, have completed the following course assigned to me during the academic year 2023-24

S.No.	Name of the Course	Class	Division
1	Paper – I ANIMAL DIVERSITY	B.Sc.I	
2	Paper – II CELL BIOLOGY, COMPARATIVE, ANATOMY & PHYSIOLOGY OF CHORDATES	B.Sc.I	
3	Paper – I COMPRATIVE ANATOMY	B.Sc.II	
4	Paper – II BONES AND GLANDS	B.Sc.II	
5	Paper – I ECOLOGY, ENVIRONMENTAL BIOLOGY	B.Sc.III	
6	Paper – II COMPRATIVE ANATOMY OF VERTEBRATE	B.Sc.III	
7	Practical Paper -III	B.Sc.III	
8	Practical Paper -III	B.Sc.I	
9	Practical Paper -III	B.Sc.III	

MR. S.N. KAMDI
ASSISTANCE PROFESSOR
ZOOLOGY

(DR. B. K. DEWANGAN)
PRINCIPAL
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**DEPARTMENT OF ZOOLOGY
INDIVIDUAL WORKLOAD/TIME TABLE
YEAR 2023-24**

Name of the Teacher:-YUVRANI , Assistant Professor ZOOLOGY GUEST LECTURER

Lecture Timing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.30 To 11.10	B.Sc. -1 Zoology Theory Class	B.Sc. -1 Zoology Theory Class	B.Sc. -1 Zoology Theory Class	B.Sc. -1 Zoology Theory Class	B.Sc. -1 Zoology Theory Class	B.Sc. -1 Zoology Theory Class
11.10 To 11.50						
11.50 To 12.30	B.Sc. -2 Zoology Theory Class	B.Sc. -2 Zoology Theory Class	B.Sc. -2 Zoology Theory Class	B.Sc. -2 Zoology Theory Class	B.Sc. -2 Zoology Theory Class	B.Sc. -2 Zoology Theory Class
12.30 To 01.10	B.Sc. -3 Zoology Theory Class	B.Sc. -3 Zoology Theory Class	B.Sc. -3 Zoology Theory Class	B.Sc. -3 Zoology Theory Class	B.Sc. -3 Zoology Theory Class	B.Sc. -3 Zoology Theory Class
01.10 To 01.50						
01.50 To 02.30						
02.30 To 03.10					B.Sc. -1 Zoology Batch No. – 1, 2 PRACTICAL	B.Sc. -1 Zoology Batch No. – 3, 4 PRACTICAL
03.10 To 03.50			B.Sc. -3 Zoology Batch No. – 1, 2 PRACTICAL	B.Sc. -3 Zoology Batch No. – 3, 4 PRACTICAL		
03.50 To 04.30	B.Sc. -2 Zoology Batch No. – 1, 2 PRACTICAL	B.Sc. -2 Zoology Batch No. – 3, 4 PRACTICAL				

YUVRANI SAHU
GUEST LECTURER
ZOOLOGY

(DR. B. K. DEWANGAN)
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**DEPARTMENT OF -ZOOLOGY
INDIVIDUAL WORKLOAD
YEAR 2023-24**

Name of the Teacher:- YUVRANI SAHU ,Assistant Professor-ZOOLOGY GUEST LECTURER

Class	Subject/Paper	No. of Students	No. of Lectures	Remarks
THEORY CLASS				
B.SC. I ZOOLOGY	PAPER- I	80	6	
	PAPER- II			
B.SC. II ZOOLOGY	PAPER- I	79	6	
	PAPER- II			
B.SC. III ZOOLOGY	PAPER- I	75	6	
	PAPER- II			
PRACTICAL PAPER				
B.SC. I ZOOLOGY	PRACTICAL 01	20	1	
	PRACTICAL 01	20		
	PRACTICAL 02	20	1	
	PRACTICAL 03	20		
	PRACTICAL 04	20		
B.SC. II ZOOLOGY	PRACTICAL 01	20	1	
	PRACTICAL 02	20		
	PRACTICAL 03	20		
	PRACTICAL 04	19		
B.SC. III ZOOLOGY	PRACTICAL 01	20	1	
	PRACTICAL 02	20		
	PRACTICAL 03	20	1	
	PRACTICAL 04	15		
Number of Teaching work load per week = -----				

YUVRANI SAHU
GUEST LECTURER
ZOOLOGY

(DR. B. K. DEWANGAN)
PRINCIPAL
GOVT. RANI AVANTI BAI LODHI COLLEGE,
GHUMKA, DISTT.-RAJNANDGAON (C.G.)



हेमचंद्र यादव विश्वविद्यालय, दुर्ग (छ.ग.)

(पूर्व नाम- दुर्ग विश्वविद्यालय, दुर्ग)

रायपुर नाका, दुर्ग (छ.ग.)-491001

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क्र. 477 /अका./2023

दुर्ग, दिनांक : 23/06/2023

प्राचार्य,

समस्त संबद्ध महाविद्यालय,

हेमचंद्र यादव विश्वविद्यालय,

दुर्ग (छ.ग.)

विषय- स्नातक स्तर के नवीन पाठ्यक्रम के भाग-एक को सत्र 2023-24 से विश्वविद्यालय में लागू करने विषयक।
संदर्भ- अपर संचालक, उच्च शिक्षा संचालनालय, नवा रायपुर, अटल नगर का पत्र क्र. 3985/237/आतशि/2023 दिनांक 13.06.2023।

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विषयांतरगत लेख है कि संदर्भित पत्र के माध्यम से प्राप्त स्नातक स्तर भाग-एक के निम्नलिखित कक्षा/विषयों के परिवर्तित/संशोधित पाठ्यक्रम शिक्षा सत्र 2023-24 से लागू किये जाते हैं:-

1. बी.ए. - आधार पाठ्यक्रम-हिन्दी भाषा, अंग्रेजी भाषा, हिन्दी साहित्य, अंग्रेजी साहित्य, राजनीतिशास्त्र, अर्थशास्त्र, नृत्य, दर्शनशास्त्र, समाजशास्त्र, इतिहास, संस्कृत, मानवविज्ञान, भूगोल, मनोविज्ञान, सांख्यिकी, कम्प्यूटर।
2. बी.एस-सी. - आधार पाठ्यक्रम-हिन्दी भाषा, अंग्रेजी भाषा, जीव विज्ञान, मानवविज्ञान, गणित, बायोटेक्नोलॉजी, कम्प्यूटर साईंस, भौतिकी, प्राणीशास्त्र, भूविज्ञान, आई.टी, सूक्ष्मजीवविज्ञान, वनस्पतिशास्त्र, इलेक्ट्रॉनिक्स, रसायन शास्त्र, सांख्यिकी, भूगोल।
3. बी.एस-सी. (गृह विज्ञान) - आधार पाठ्यक्रम - हिन्दी भाषा, अंग्रेजी भाषा एवं गृह विज्ञान।
4. बी.कॉम. - आधार पाठ्यक्रम - हिन्दी भाषा, अंग्रेजी भाषा एवं वाणिज्य।
5. विधि - एल.एल.बी., बी.ए.एल.एल.बी
6. प्रबंध - बी.बी.ए.
7. कम्प्यूटर - बी.सी.ए.
8. शिक्षा - बी.एड.
9. लाइब्रेरी साईंस - बी. लिब.

उपरोक्त विषयों को शिक्षा सत्र 2023-24 से संशोधित रूप में स्नातक स्तर भाग-एक के लिए लागू किया जाता है स्नातक स्तर भाग दो एवं तीन के पाठ्यक्रम यथावत रहेंगे।

अतः आपसे अनुरोध है कि पाठ्यक्रम परिवर्तन/संशोधन से महाविद्यालय के शिक्षकों एवं छात्र-छात्राओं को अवगत कराने का कष्ट करेंगे।

टीप :- परिवर्तित/संशोधित पाठ्यक्रम विश्वविद्यालय की वेबसाइट पर उपलब्ध है।

संलग्न : उपरोक्तानुसार।


कुलसचिव

क्र. 478 /अका./2023

दुर्ग, दिनांक 23.06.2023

प्रतिलिपि:-

1. अपर संचालक, उच्च शिक्षा संचालनालय, नवा रायपुर, अटल नगर का पत्र क्र. 3985/237/आउशि/2023, दिनांक 13.06.2023 के परिपेक्ष्य में सूचनार्थ।
2. कुलपति के निज सहायक एवं कुलसचिव के निज सहायक, हेमचंद यादव विश्वविद्यालय, दुर्ग।
3. उपकुलसचिव, परीक्षा विभाग एवं उपकुलसचिव, गोपनीय विभाग हेमचंद यादव विश्वविद्यालय, दुर्ग।


सहा. कुलसचिव (अका.)

Part A: Introduction			
Program: Certificate Course	Class: B.Sc.	Year: First	Session: 2022-2023
1	Course Code	PHY – 1T	
2	Course Title	MECHANICS	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcomes (CLO)	<p>After completion of the course students will be able to:</p> <ul style="list-style-type: none"> • Get knowledge about the vectors and differential equations used in physics. • Get an idea of different types of motions and conservation laws. • Get an idea about rotational motion and various properties of matter like elasticity and viscosity. • Understand various types of oscillatory motion and GPS system. • Get an idea about Frame of reference and special theory of relativity. • Solve numerical problems based on entire syllabus. 	
6	Credit Value	Theory : 4	
7	Total Marks	Max. Marks: 50	Min Passing Marks : 17

Part B: Content of the Course		
Total Periods: 60		
Unit	Topic	Number of Periods
I	<p>Vectors: Vector algebra, Derivatives of a vector with respect to a parameter, Scalar and vector products of two, three and four vectors, Gradient, divergence and curl of vectors fields, Polar and Axial vectors.</p> <p>Ordinary Differential Equations: 1st order homogeneous differential equations, exact and non-exact differential equations, 2nd order homogeneous and nonhomogeneous differential equations with constant coefficients (Operator Method Only).</p>	12
II	<p>Laws of Motion: Review of Newton's Laws of motion. Dynamics of a system of particles, Concept of Centre of Mass, determination of center of mass for discrete and continuous systems having cylindrical and spherical symmetry.</p> <p>Work and Energy: Motion of rocket, Work-Energy theorem for conservative forces, Force as a gradient of Potential Energy, Conservation of momentum</p>	12

CLP

	and energy, Elastic and in-elastic Collisions.	
III	<p>Rotational Dynamics: Angular velocity, Angular momentum, Torque, Conservation of angular momentum, Moment of Inertia, Theorem of parallel and perpendicular axes (statements only), Calculation of Moment of Inertia of discrete and continuous objects (rod, disc, cylinder, solid sphere).</p> <p>Elasticity: Hooke's Law – Stress – strain diagram – Elastic moduli – Relation between elastic constants – Poisson's Ratio – Expression for Poisson's Ratio in terms of Elastic Constants – Work done in stretching and work done in twisting a wire – Twisting couple on a cylinder – Determination of Rigidity modules, Elementary idea of Surface tension and Viscosity, flow of fluids, coefficient of viscosity, Stoke's law, expression for terminal velocity, wetting.</p>	12
IV	<p>Gravitation: Newton's Law of Gravitation, Motion of a particle in a central force field (motion is in a plane, angular momentum is conserved, areal velocity is constant), Kepler's Laws (statements only), Satellite in circular orbit and applications, Geosynchronous orbits.</p> <p>Oscillations: Simple harmonic motion, Differential equation of SHM and its solutions, Kinetic and Potential Energy, Total Energy and their time averages, Compound pendulum, Differential equations of damped oscillations and forced oscillations (Conceptual only).</p>	12
V	<p>Special Theory of Relativity: Frame of reference, Galilean Transformations, Inertial and Non-inertial frames, Outcomes of Michelson Morley's Experiment, Postulates of Special Theory of Relativity, Length contraction, Time dilation, Relativistic transformation of velocity, Relativistic variation of mass, Mass-energy equivalence, Transformation of Energy and Momentum.</p>	12

Part C - Learning Resource

Text Books, Reference Books, Other Resources

Reference Books:

1. University Physics. FW Sears, MW Zemansky & HD Young 13/e, 1986. Addison Wesley
2. Mechanics Berkeley Physics course, v.1: Charles Kittel, et.al, 2007, Tata McGrawHill
3. Physics – Resnick, Halliday & Walker 9/e, 2010, Wiley
4. Engineering Mechanics, Basudeb Bhattacharya, 2nd edn., 2015, Oxford University Press
5. University Physics, Ronald Lane Reese, 2003, Thomson Brooks/Cole.

Link for e-Books for Physics:

1. All e-books of physics <https://www.e-booksdirectory.com/listing.php?category=2>
2. Free physics text book in PDF
https://www.motionmountain.net/?gclid=CjwKCAjwmg3kBRB_EiwAjkNDp5v8Yy6xK1s0

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Part A: Introduction			
Program: Certificate Course		Class: B.Sc.	Year: First Session: 2022-2023
1	Course Code	PHY – 2T	
2	Course Title	ELECTRICITY AND MAGNETISM	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcomes (CLO)	<p>After completion of the course students will be able to –</p> <ul style="list-style-type: none"> • Get knowledge about the vectors analysis and able to apply in electrostatic and Magnetostatics. • Get idea about electric fields, force and potential. • Get idea about Dielectric and Electric currents and also the application in AC circuits. • Get idea about Magnetic properties of material. • To get idea about Electromagnetic Induction and Maxwell's equation and Electromagnetic wave propagation. • Solve numerical problems based on entire syllabus. 	
6	Credit Value	Theory : 4	
7	Total Marks	Max. Marks: 50	Min Passing Marks : 17

Part B: Content of the Course		
Total Periods: 60		
Unit	Topic	Number of Periods
I	Vector Analysis: Vector Integration, Line, surface and volume integrals of Vector fields, Gauss-divergence theorem and Stoke's theorem of vectors and its application in electrostatics and magnetostatics.	12
II	<p>Electrostatics: Electrostatic Field, electric flux, Gauss's theorem of electrostatics, Applications of Gauss theorem- Electric field due to point charge, infinite line of charge, uniformly charged spherical shell and solid sphere, plane charged sheet, charged conductor.</p> <p>Electric potential as line integral of electric field, potential due to a point charge, electric dipole, uniformly charged spherical shell and solid sphere, Calculation of electric field from potential, Capacitance of an isolated spherical conductor, Parallel plate, spherical and cylindrical condenser, Energy per unit volume in electrostatic field.</p>	12

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III	Dielectric & Electric Currents: Dielectric medium, Polarisation, Displacement vector, Gauss's theorem in dielectrics, Parallel plate capacitor completely filled with dielectric, Steady current, current density J , non – steady current an continuity equation, Kirchoff's law (statement only), Ideal constant – voltage and constant – current sources, Thevenin theorem, Norton theorem, Superposition theorem, Reciprocity theorem and maximum power transfer theorem, Rise and decay of current in LR, CR, LCR circuits.	12
IV	Magnetism: Magnetostatics: Biot-Savart's law and its applications- straight conductor, circular coil, solenoid carrying current, Divergence and curl of magnetic field, Magnetic vector potential, Ampere's circuital law, Magnetic properties of materials: Magnetic intensity, magnetic induction, permeability, magnetic susceptibility, Brief introduction of dia, para and ferro-magnetic materials.	12
V	Electromagnetic Induction: Faraday's laws of electromagnetic induction, Lenz's law, self and mutual inductance, L of single coil, M of two coils, Energy stored in magnetic field. Maxwell's equations and Electromagnetic wave propagation: Equation of continuity of current, Displacement current, Maxwell's equations, Wave equation in free space.	12

Part C - Learning Resource

Text Books, Reference Books, Other Resources

Reference Books:

1. Vector analysis – Schaum's Outline, M.R. Spiegel, S. Lipschutz, D. Spellman, 2nd Edn., 2009, McGraw- Hill Education.
2. Electricity and Magnetism, Edward M. Purcell, 1986, McGraw-Hill Education.
3. Electricity & Magnetism, J.H. Fewkes & J.Yarwood. Vol. I, 1991, Oxford Univ. Press
4. Electricity and Magnetism, D C Tayal, 1988, Himalaya Publishing House.
5. University Physics, Ronald Lane Reese, 2003, Thomson Brooks/Cole.
6. D.J.Griffiths, Introduction to Electrodynamics, 3rd Edn, 1998, Benjamin Cummings.

Link for e-Books for Physics:

1. All e-books of physics <https://www.e-booksdirectory.com/listing.php?category=2>
2. Free physics text book in PDF https://www.motionmountain.net/?gclid=CjwKCAjwmg3kBRB_EiwAjkNDp5v8Yy6xK1s0Kma0VR0AWGlichRwFjCC0-vpZK1jrPoEOAnBq8fcqRoCjLsQAvD_BwE
3. Cambridge University Books for Physics <https://www.cambridgeindia.org/>
4. Books for solving physics problems <https://bookboon.com/en/physics-ebooks>

Part A: Introduction			
Program: Certificate Course		Class: B.Se. I Year	Year: 2022
		Session: 2022-23	
1.	Course Code	CHEM-IT	
2.	Course Title	Inorganic and Physical Chemistry	
3.	Course Type	Theory	
4.	Pre-requisite (if any)	To Study this course our students must have had the subject chemistry in class +2 or equivalent	
5.	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be able to learn the following aspects of Chemistry</p> <ul style="list-style-type: none"> To learn basic concept of atomic structure and the periodic properties of elements To understand chemical bonding in ionic and covalent compounds To study group trends for <i>s</i> and <i>p</i>-block elements in the periodic table learn properties and bonding of compounds of the noble gases Understand the metallurgical extraction of metals. Basic concepts of Mathematics and Computer for Chemists. Basics and mechanism of chemical kinetics and catalysis. 	
6.	Credit Value	Theory: 4	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17

Part B: Content of the Course		
Total No. of Lecturers: 90		
Unit	Topics	No. of Lectures
I	<p>Atomic structure : Bohr's theory and its limitation, General idea of de-Broglie matter-waves, Heisenberg uncertainty principle, Schrödinger wave equation, significance of Ψ and Ψ^2, radial & angular wave functions and probability distribution curves, quantum numbers, Atomicorbital and shapes of <i>s</i>, <i>p</i>, <i>d</i> orbitals, Aufbau and Pauli exclusion principles, Hund's Multiplicity rule, electronic configuration of the elements.</p> <p>Periodic properties: Detailed discussion of the following periodic properties of the elements, with reference to <i>s</i>- and <i>p</i>- block. Trends in periodic table and applications in predicting and explaining the chemical behavior.</p> <p>a. Atomic and ionic radii, b. Ionization enthalpy, c. Electron gain enthalpy, d. Electronegativity, Pauling's, Mulliken's, Allred Rochow's scales. Effective nuclear charge, shielding or screening effect, Slater rules, variation of effective nuclear charge in periodic table.</p>	15
II	<p>Chemical bonding- I: Ionic bond: Ionic Solids - Ionic structures, radius ratio & co-ordination number, limitation of radius ratio rule, lattice defects, semiconductors, lattice energy Bom-Haber cycle, Solvation energy and solubility of ionic solids, polarizing power & polarizability of ions, Fajan's rule, Ionic character in covalent compounds; Bond moment and dipole</p>	15

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	moment, Percentage ionic character from dipole moment and electronegativity difference, Metallic bond-free electron and band theories.	
III	Chemical bonding-II: Covalent bond: Valence bond theory and its limitations, Concept of hybridization, equivalent and non-equivalent hybrid orbitals, Valence shell electron pair repulsion theory (VSEPR), shapes of the following simple molecules and ions containing lone pairs and bond pairs of electrons; H ₂ O, NH ₃ , PCl ₃ , H ₃ O ⁺ , SF ₄ , ClF ₃ , ICl ₂ ⁻ , XeF ₂ , XeF ₄ , XeF ₆ , XeOF ₂ , XeOF ₄ , Molecular orbital theory, Bond order and bond strength, Molecular orbital diagrams of diatomic and simple heteroatomic molecules N ₂ , O ₂ , F ₂ , CO, NO.	15
IV	Chemistry of s- & p- block elements: General concepts on group relationships and gradation properties, Comparative study, salient features of hydrides, solvation & complexation tendencies, General concepts on group relationships and gradation properties. Halides, hydrides, oxides and oxyacids of Boron, Aluminum, Nitrogen and Phosphorus, Boranes, borazines, fullerenes, graphene and silicates, interhalogens and pseudohalogens. Chemical properties of the noble gases. Metallurgical extraction of Fe, Al and Cu : Principle of extraction of metal, The occurrence, extraction & isolation of Fe, Al, and Cu	15
V	Mathematical concepts for chemist: Basic Mathematical Concepts: Logarithmic relations, curve sketching, linear graphs, Properties of straight line, slope and intercept, Functions, Differentiation of functions, maxima and minima; integrals; ordinary differential equations; vectors and matrices; determinants; Permutation and combination and probability theory, Significant figures and their applications. Computer for chemists: Introduction to computer, introduction to operating systems like DOS, Windows, Linux Use of computer programs: Running up standard programs & packages such as MS –Word, MS- Excel, Power Point, Execution of linear regression x-y plot, use of software for drawing structures and molecular formulae	15
VI	Chemical kinetics : Rate of reaction, Factors influencing rate of reaction, rate law, rate constant, Order and molecularity of reactions, rate determining step, Zero, First and Second order reactions, Rate and Rate Law, methods of determining order of reaction, Chain reactions. Temperature dependence of reaction rate, Arrhenius theory, Physical significance of Activation energy, collision theory, demerits of collision theory, non-mathematical concept of transition state theory. Catalysis: Homogeneous and Heterogeneous Catalysis, types of catalyst, characteristics of catalyst, Enzyme catalyzed reactions, Micellar catalyzed reactions, Industrial applications of catalysis.	15
Keywords: Atomic structure, Periodic properties, ionic bonding, covalent bonding, diagonal relationship, metallurgy, computer, memory, chemical kinetics, catalysis		

Part C : Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings :

1. Lee, J. D. Concise Inorganic Chemistry, Wiley, 5th Edition, 2008.
2. Douglas, B.; McDaniel, D. and Alexander J. Concepts & Models of Inorganic Chemistry, Wiley, 3rd Edition, 2006
3. Atkins, P.W. & Paula, J. Physical Chemistry, 10th Ed., Oxford University Press, 2014.
4. Puri, B. R., Sharma, L. R. and Kalia, K. C., Principles of Inorganic Chemistry, Milestone Publishers/ Vishal Publishing Co.; 33rd Edition 2016
5. Madan, R. D. Modern Inorganic Chemistry; S Chand Publishing, 1987.

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Part A: Introduction			
Program: Certificate Course		Class: B.Sc. I Year	Year: 2022
		Session: 2022-23	
1.	Course Code	CHEM-2T	
2.	Course Title	Organic and Physical Chemistry	
3.	Course Type	Theory	
4.	Pre-requisite (if any)	To Study this course our students must have had the subject chemistry in class +2 or equivalent	
5.	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be able to learn the following aspects of Chemistry</p> <ul style="list-style-type: none"> • Understand the fundamentals of physical organic chemistry • Stereochemistry of carbon compounds • Chemistry of Alkenes and Alkynes • Chemistry of Alicyclic and aromatic Hydrocarbons • Understanding kinetic model of gases and its properties, Behavior of real gases, its derivation from ideal behavior, equation of state, isotherms and Law of corresponding states and molecular velocities. • Fundamental concepts of liquid state and colloids & surface chemistry. • Solids, Lattice parameters – its calculation, application of symmetry, solid characteristics of simple salts. 	
6.	Credit Value	Theory: 4	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17

Part B: Content of the Course		
Total No. of Lecturers: 90		
Unit	Topics	No. of Lectures
I	Basics of organic chemistry: Influence of hybridization on bond properties (as applicable to ethane, ethene, and ethyne). Application of inductive effect (a) Basicity of amines (b) Acidity of carboxylic acids (c) Stability of carbocations. Resonance or Mesomeric effect, application to (a) acidity of phenol, and (b) acidity of carboxylic acids. Hyper conjugation and its application to stability of carbocations, Free radicals and alkenes. Reactive intermediates: carbanions, carbenes, Nitrene, Basic concept of S_N1 , S_N2 , E1, E2, E1cb reactions and Neighboring group Participation (NGP). Electrophiles and Nucleophiles; Nucleophilicity and basicity.	15
II	Introduction to stereochemistry: Optical Isomerism; Optical Activity, Specific Rotation, Chirality/Asymmetry, Enantiomers, Molecules with two or more chiral-centres, Diastereoisomers, meso compounds, Relative and absolute configuration; Fischer, Newman and Sawhorse Projection formulae and their interconversions; Erythrose and threose, D/L, d/l system of nomenclature, Cahn-Ingold-Prelog system of nomenclature (C.I.P. rules).	15

Ans
2/6

	R/S nomenclature. Geometrical isomerism: cis-trans, syn-anti and E/Z notations. Stereospecific and stereoselective synthesis. Asymmetric synthesis.	
III	Acyclic hydrocarbons: Alkenes - Preparation of alkenes. Properties: Addition of hydrogen - heat of hydrogenation and stability of alkenes. Addition of halogen and its mechanism. Addition of HX, Markonikov's rule, addition of H ₂ O, (Oxymercuration-reduction and hydroboration -oxidation), HOX, H ₂ SO ₄ with mechanism and addition of HBr in the presence of peroxide (anti - Markonikov's addition). Dienes - Types of dienes, reactions of conjugated dienes - 1,2 and 1,4 addition of HBr to 1,3 - butadiene and Diels - Alder reaction. Alkynes: Preparation by dehydrohalogenation of dihalides, dehalogenation of tetrahalides, Properties; Acidity of acetylenic hydrogen (formation of Metal acetylides). Preparation of higher acetylenes, Metal ammonia reductions, Physical properties. Chemical reactivity - electrophilic addition of X ₂ , HX, H ₂ O (Tautomerism), Oxidation with KMnO ₄ , OsO ₄ , reduction and Polymerization, reaction of acetylene.	15
IV	Alicyclic hydrocarbons (cycloalkanes): Nomenclature, Preparation by Freunds method, Wislicenus method. Properties - reactivity of cyclopropane and cyclobutane by comparing with alkanes, Stability of cycloalkanes - Baeyer's strain theory, Sachse and Mohr predictions and Pitzer's strain theory. Conformational structures of cyclobutane, cyclopentane, cyclohexane. Conformers: in substituted cyclohexane, decalins. Aromatic hydrocarbons: Aromaticity: Hückel's rule, aromatic character of arenes, cyclic carbocations/ carbanions and heterocyclic compounds with suitable examples. Electrophilic aromatic substitution: halogenation, nitration, sulphonation and Friedel-Craft's alkylation/acylation with their mechanism. Directive effects of the groups.	15
V	Gaseous state chemistry: Kinetic molecular model of a gas: postulates and derivation of the kinetic gas equation; collision frequency; collision diameter; mean free path; Maxwell distribution and its use in evaluating molecular velocities (average, root mean square and most probable) and average kinetic energy, law of equipartition of energy, degrees of freedom and molecular basis of heat capacities. Joule Thomson effect, Liquefaction of Gases. Behavior of real gases: Deviations from ideal gas behavior, compressibility factor (Z), and its variation with pressure and temperature for different gases. Causes of deviation from ideal behavior. Vander Waals equation of state, its derivation and application in explaining real gas behavior, calculation of Boyle temperature. Isotherms of real gases and their comparison with Vander Waals isotherms, continuity of states, critical state, relation between critical constants and Vander Waals constants; law of corresponding states.	15
VI	Liquid state chemistry: Intermolecular forces, magnitude of intermolecular force, structure of liquids, Properties of liquids, viscosity and surface tension. Colloids and surface chemistry: Classification, Optical, Kinetic and Electrical Properties of colloids, Coagulation, Hardy Schulze law, flocculation value, Protection, Gold number, Emulsion, micelles and types, Gel, Syneresis and thixotropy, Application of colloids. Physical adsorption, chemisorption, adsorption isotherms (Langmuir and Freundlich). Qualitative	15

Ans)
3/6

discussion of BET. Solid state chemistry: Nature of the solid state, law of constancy of interfacial angles, law of rational indices, Miller indices, elementary ideas of symmetry, symmetry elements and symmetry operations, seven crystal systems and fourteen Bravais lattices; X-ray diffraction, Bragg's law, a simple account of rotating crystal method and powder pattern method. Crystal defects.	
Keywords: Electronic effect, Reactive intermediates, Stereochemistry, Alkenes, Alkynes, Cycloalkanes, Aromaticity, Gas, Liquid, Colloidal state and Solid	
Part C: Learning Resource	
Text Books, Reference Books, Other Resources	
Suggested Readings :	
<ol style="list-style-type: none"> 1. Morrison, R. N. & Boyd, R. N. Organic Chemistry, Dorling Kindersley (India) Pvt. Ltd.(Pearson Education). 2. Finar, I. L. Organic Chemistry (Volume 1), Dorling Kindersley (India) Pvt. Ltd. (Pearson Education). 3. Finar, I. L. Organic Chemistry (Volume 2: Stereochemistry and the Chemistry of Natural Products), Dorling Kindersley (India) Pvt. Ltd. (Pearson Education). 4. Eliel, E. L. & Wilen, S. H. Stereochemistry of Organic Compounds, Wiley: London, 1994. 5. Kalsi, P. S. Stereochemistry Conformation and Mechanism, New Age International, 2005. 6. McMurry, J.E. Fundamentals of Organic Chemistry, 7th Ed. Cengage Learning India Edition, 2013. 7. Bruice, P. Y. Organic Chemistry, 2nd Edition, Prentice-Hall, International Edition (1998). 8. Atkins' Physical Chemistry, 10th Edition, Oxford University Press, 2014 9. Barrow, G.M., Physical Chemistry Tata McGraw-Hill, 2007 10. Ball, D.W., Physical Chemistry, Thomson Press, India, 2007 11. Castellan, G.W., Physical Chemistry, 4th Edition, Narosa, 2004 12. Mortimer, R.G., Physical Chemistry, 3rd Edition, Elsevier, Noida, UP; 2009 13. Levine, I.N., Physical Chemistry, 6th Edition, Tata McGraw-Hill, 2010 14. Metz, C.R., 2000 Solved Problems in Chemistry, Sahaun Series, 2006 15. Negi, A.S. & Anand, S.C., A Text Book of Physical Chemistry, 3rd Edition, New Age International Publication 16. Bajpai, D.N., Advanced Physical Chemistry, S. Chand, 2019 17. Bahal & Tuli, Essential of Physical Chemistry, 2020 	
E- Learning Resources:	
<ol style="list-style-type: none"> 1. http://hecontent.upsdc.gov.in/Home.aspx 2. https://nptel.ac.in/courses/104/106/104106096/ 3. http://hecontent.upsdc.gov.in/Home.aspx 4. https://nptel.ac.in/courses/104/106/104106096/ 5. https://www2.chemistry.msu.edu/faculty/reusch/VirtTxtJml/intro1.htm 6. https://nptel.ac.in/courses/104/103/104103071/# 	
Fundamental Chemistry related topics on SWAYAM platform and E-pathshala	
Part D: Assessment and Evaluation	
Maximum Marks: 50	

DECLARATION

This is to certify that the syllabus is framed by the Central Board of Studies (Chemistry) as per the

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3/6

Part A: Introduction			
Program: Certificate Course		Class: B.Sc. I Year	Year: 2022 Session: 2022-23
1.	Course Code	CHEM-1P	
2.	Course Title	Lab. 1	
3.	Course Type	Practical	
4.	Pre-requisite (if any)	To Study this course our students must have had the subject chemistry in class +2 or equivalent	
5.	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to learn the following aspects of Chemistry <ul style="list-style-type: none"> • To analyse the given mixture for anions (acid radicals) and cations (basic radicals). • Titrations • Qualitative Analysis • Surface tension measurements. • Viscosity measurement • Chemical Kinetics 	
6.	Credit Value	Practical: 2	
7.	Total Marks	Max. Marks: 50	Min Passing Marks: 17

Part B: Content of the Course		
Total No. of Lecturers: 30		
LABATORY COURSE		No. of Lectures
Tentative list of Practical	<p>A. Inorganic chemistry Semi-micro qualitative analysis (using H₂S or other methods) of mixtures - not more than four ionic species (two anions and two cations, excluding interfering, insoluble salts) out of the following: Cations : NH₄⁺, Pb²⁺, Bi³⁺, Cu²⁺, Cd²⁺, Fe²⁺, Al³⁺, Co²⁺, Ni²⁺, Mn²⁺, Zn²⁺, Ba²⁺, Sr²⁺, Ca²⁺, Na⁺ Anions : CO₃²⁻, S²⁻, SO₃²⁻, NO₂⁻, CH₃COO⁻, Cl⁻, Br⁻, I⁻, NO₃⁻, SO₄²⁻ (Spot tests may be carried out wherever feasible)</p> <p>B. Acid-Base Titrations</p> <ul style="list-style-type: none"> • Standardization of sodium hydroxide by oxalic acid solution. • Determination of strength of HCl solution using sodium hydroxide as intermediate. • Estimation of carbonate and hydroxide present together in mixture. • Estimation of carbonate and bicarbonate present together in a mixture. • Estimation of free alkali present in different soaps/detergents 	10

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	<p>C. Redox Titrations</p> <ul style="list-style-type: none"> • Standardization of KMnO_4 by oxalic acid solution. • Estimation of Fe(II) using standardized KMnO_4 solution. • Estimation of oxalic acid and sodium oxalate in a given mixture. • Estimation of Fe(II) with $\text{K}_2\text{Cr}_2\text{O}_7$ using internal (diphenylamine, anthranilic acid) and external indicator. 	
	<p>Organic chemistry</p> <ol style="list-style-type: none"> 1. Demonstration of laboratory Glassware's and Equipments. 2. Calibration of the thermometer. $80^\circ - 82^\circ$ (Naphthalene), $113.5^\circ - 114^\circ$ (Acetanilide), $132.5^\circ - 133^\circ$ (Urea), 100° (Distilled Water.) 3. Purification of organic compounds by crystallization using different solvents. Phthalic acid from hot water (using fluted filter paper and stemless funnel). Acetanilide from boiling water. Naphthalene from ethanol. Benzoic acid from water. 4. Determination of the melting points of organic compounds. Naphthalene $80^\circ - 82^\circ$, Benzoic acid $121.5^\circ - 122^\circ$, Urea $132.5^\circ - 133^\circ$ Succinic acid $184.5^\circ - 185^\circ$, Cinnamic acid $132.5^\circ - 133^\circ$, Salicylic acid $157.5^\circ - 158^\circ$, Acetanilide $113.5^\circ - 114^\circ$, m-Dinitrobenzene 90°, p-Dichlorobenzene 52°, Aspirin 135°. 5. Effect of impurities on the melting point – mixed melting point of two unknown organic compounds. Urea–Cinnamic acid mixture of various compositions (1:4, 1:1, 4:1). 6. Determination of boiling point of liquid compounds. (boiling point lower than and more than 100°C by distillation and capillary method). Ethanol 78°, Cyclohexane 81.4°, Toluene 110.6°, Benzene 80°. <ol style="list-style-type: none"> i. Distillation (Demonstration) Simple distillation of ethanol-water mixture using water condenser. Distillation of nitrobenzene and aniline using air condenser. ii. Sublimation Camphor, Naphthalene, Phthalic acid and Succinic acid. iii. Decolorisation and crystallization using charcoal. Decolorisation of brown sugar with animal charcoal using gravity filtrations crystallization and decolorisation of impure naphthalene (100 g of naphthalene mixed with 0.3 g of Congo red using 1 g of decolorizing carbon) from ethanol. 7. Qualitative Analysis Detection of elements (N, S and halogens) and functional groups (Phenolic, Carboxylic, Carbonyl, Esters, Carbohydrates, Amines, Amides, Nitro and Anilide) in simple organic compounds. 8. Preparation and characterization of biodiesel from vegetable oil. 9. Preparation of soap. 	10
	<p>Physical chemistry</p> <ol style="list-style-type: none"> 1. Surface tension measurements. Determine the surface tension by (i) drop number (ii) drop weight method. • Surface tension composition curve for a binary liquid mixture. 2. Viscosity measurement using Ostwald's viscometer. Determination of viscosity of aqueous solutions of (i) sugar (ii) ethanol at room temperature. Study of the variation of viscosity of sucrose solution with the concentration of solute. Viscosity Composition curve for a binary liquid mixture. 	10

	<p>3. Chemical Kinetics To determine the specific rate of hydrolysis of methyl/ethyl acetate catalysed by hydrogen ions at room temperature. To study the effect of acid strength on the hydrolysis of an ester. To compare the strengths of HCl & H₂SO₄ by studying the kinetics of hydrolysis of ethyl acetate.</p> <p>4. Colloids To prepare colloidal solution of silver nanoparticles (reduction method) and other metal nanoparticles using capping agents.</p>	
<p>Keywords: Semi-micro qualitative analysis, Qualitative analysis, Titrations, Chemical Kinetics, Colloids, Viscosity, Surface tension, Decolorization and crystallization, Distillation, Sublimation, Soap, biodiesel.</p>		

Part C: Learning Resource	
Text Books, Reference Books, Other Resources	
<p>Suggested Readings :</p> <ol style="list-style-type: none"> 1. Mendham, J., A. I. Vogel's Quantitative Chemical Analysis 6th Ed., Pearson, 2009. 2. Ahluwalia, V. K., Dhingra, S. and Gulati, A. College practical Chemistry, University Press. 3. Mann, F.G. & Saunders, B.C. Practical Organic Chemistry, Pearson Education (2009). 4. Furniss, B.S.; Hannaford, A.J.; Smith, P.W.G.; Tatchell, A.R. Practical Organic Chemistry, 5th Ed., Pearson (2012) 5. Khosla, B. D.; Garg, V. C. & Gulati, A. Senior Practical Physical Chemistry, R. Chand & Co.: New Delhi (2011). 6. Garland, C. W.; Nibler, J. W. & Shoemaker, D. P. Experiments in Physical Chemistry 8th Ed.; McGraw-Hill: New York (2003). 7. Halpern, A. M. & McBane, G. C. Experimental Physical Chemistry 3rd Ed.; W.H. Freeman & Co.: New York (2003). 8. Sidhwani, I.T., Saini, G., Chowdhury, S., Garg, D., Malovika, Garg, N. Wealth from waste: 8.A green method to produce biodiesel from waste cooking oil and generation of useful products from waste further generated "A Social Awareness Project", Delhi University Journal of Undergraduate Research and Innovation. 9. Carpenter, William Lant; Leask, Henry (1895). A treatise on the manufacture of soap and candles, lubricants and glycerin. Free ebook at Google Books. <p>E- Learning Resources:</p> <ol style="list-style-type: none"> 1. http://heecontent.upsdc.gov.in/Home.aspx 2. https://nptel.ac.in/courses/104/106/104106096/ 3. http://heecontent.upsdc.gov.in/Home.aspx 4. https://nptel.ac.in/courses/104/106/104106096/ 5. https://www2.chemistry.msu.edu/faculty/reusch/VirtTxtJml/intro1.htm 6. https://nptel.ac.in/courses/104/103/104103071/# <p>Fundamental Chemistry related topics on SWAYAM platform and E-pathshala</p>	
Part D: Assessment and Evaluation	
Maximum Marks: 50	

Ans
12/6

Part A: Introduction			
Program: Certificate Course	Class: B. A. / B.Sc. Part I	Year: 2022	Session: 2022-2023
1	Course Code	Paper – MATH- 1T	
2	Course Title	Calculus	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcome (CLO)	<p>This Course will enable the students to:</p> <ul style="list-style-type: none"> • Calculate the limit and examine the continuity and understand the geometrical interpretation of differentiability. • Understand the consequences of various mean value theorems. • Draw curves in cartesian and polar coordinate systems. • Understand conceptual variations while advancing from one variable to several variables in calculus. • Inter-relationship amongst the line integral, double and triple integral formulations. • Realize importance of Green, Gauss and Stokes' theorems in other branches of mathematics. 	
6	Credit Value	4	
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks :

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	Sequences, Continuity and Differentiability: Notion of convergence of sequences and series of real numbers, ϵ - δ definition of limit and continuity of a real valued function; Differentiability and its geometrical interpretation; Rolle's theorem, Lagrange's mean value theorem, Cauchy's mean value theorem and their geometrical interpretations, Darboux's theorem.	12
II	Expansion of Functions: Successive differentiation and Leibnitz theorem, Maclaurin's and Taylor's theorems for expansion of a function, Taylor's theorem in finite form with Lagrange, Cauchy and Roche-Schlömilch forms of remainder.	12
III	Curvature, Asymptotes and Curve Tracing: Curvature; Asymptotes of general algebraic curves, parallel asymptotes, Asymptotes parallel to axes; symmetry, concavity and convexity, points of inflexion, Tangents at origin, Multiple points, Position and nature of double points; Tracing of	12

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	cartesian, polar and parametric curves; Envelopes and Evolutes.	
IV	Functions of Several Variables: Limit, continuity and first order partial derivatives, Higher order partial derivatives, Change of variables, Euler's theorem for homogeneous functions, Taylor's theorem, Total differentiation and Jacobians.	12
V	Double and Triple Integrals: Double integration over rectangular and non-rectangular regions, Double integrals in polar co-ordinates, Triple integral over a parallelepiped and solid regions, Volume by triple integrals, Line integrals, Green's theorem, Area as a line integral, Surface integrals, Stokes' theorem, The Gauss divergence theorem.	12

Part C - Learning Resource

Text Books and Reference Books:

- Howard Anton, I. Bivens & Stephan Davis. Calculus (10th edition). Wiley India. 2016
- Gabriel Klambauer. Aspects of Calculus. Springer-Verlag. 1986
- Wieslaw Krawcewicz & Bindhyachal Rai. Calculus with Maple Labs. Narosa. 2003
- Gorakh Prasad Differential Calculus (19th edition). Pothishala Pvt. Ltd. 2016
- George B. Thomas Jr., Joel Hass, Christopher Heil & Maurice D. Weir. Thomas' Calculus (14th edition). Pearson Education 2018
- Jerrold Marsden, Anthony J. Tromba & Alan Weinstein. Basic Multivariable Calculus, Springer India Pvt. Limited. 2009
- James Stewart. Multivariable Calculus (7th edition). Brooks/Cole. Cengage 2012.
- Monty J. Strauss, Gerald L. Bradley & Karl J. Smith. Calculus (3rd edition). Pearson Education. Dorling Kindersley (India) Pvt. Ltd. 2011

E- Resources :

- Suggested Equivalent **online courses:** Web link NPTEL/ SWAYAM/ MOOCs
- https://www.youtube.com/watch?v=tfirtzUhmw&list=PL7oBzIzHZIwXBSiJEggz_iwVoLiY8qhbv
- https://www.youtube.com/watch?v=XzaeYnZdK5o&list=PLtKWB-wrvn4nA2h8TFxzWl.2zv8O9th_fy
- <https://www.youtube.com/watch?v=zxbHsPB8m-M&list=PLBCEh9iawVM75FaegS-z7oIBKTSLfAC4A>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:
Maximum Marks:

50 Marks

Declaration

This is to certify that the syllabus is framed by the Central Board of Studies (Mathematics) as per the guidelines (TOR) of the Department of Higher Education, Raipur Chhattisgarh.

1. Dr. Premlata Verma
Asst. Prof.
Govt. Bilasa Girls PG College, Bilaspur
2. Prof. R.R. Sahu
Asst. Prof.
Govt. MMR PG College, Champa
3. Mr. Yetendra Upadhyay
Asst. Prof.
Govt. N.K. College, Kota
4. Ram Lakhan Pandey
Asst. Prof.
Dr. B.R. Ambedkar Govt. College, Baloda
5. Dr. Arun Kumar Mishra
Professor
Govt. DT PG College, Utai
6. Dr. Shabnam Khan
Professor
Govt. Digvijay PG College, Rajnandgaon
7. Dr. Padmavati
Professor
Govt. VYT PG Auto. College, Durg
8. Dr. Anjali Chandravanshi
Asst. Prof.
Govt. J.Y. Chhattisgarh College, Raipur
9. Manisha Gupta
Asst. Prof.
GNA Govt. PG College, Bhatapara, Raipur
10. Mrs. Sangeeta Pandey
Asst. Prof.
R.G. Govt. PG College, Ambikapur
11. Dr. S.K. Bohre
Asst. Prof.
I.G. Govt. PG College, Vaishalinagar, Bhilai
12. Dr. Samir Dashputre

- Chairman

- Member

- Member

- Member

- Member

- Member

- Member

- Member

- Member

- Member

- Member

- Member

Part A: Introduction			
Program: Certificate Course		Class: B. A. / B.Sc. Part I	Year: 2022 Session: 2022-2023
1	Course Code	Paper – MATH-2T	
2	Course Title	Algebra	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcome (CLO)	<p>This Course will enable the students to:</p> <ul style="list-style-type: none"> • Employ De Moivre's theorem in a number of applications to solve numerical problems. • Learn about the fundamental concepts of groups, subgroups, normal subgroups, isomorphism theorems, cyclic and permutation groups. • Recognize consistent and inconsistent systems of linear equations by the row echelon form of the augmented matrix, using rank. • Find eigen values and corresponding eigen vectors for a square matrix. • Understand real vector spaces, subspaces, basis, dimension and their properties. 	
6	Credit Value	4	
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks :

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	Set Theory and Theory of Equations: Sets, Relations, Equivalence relations, Equivalence classes; Finite, countable and uncountable sets; The division algorithm, Divisibility and the Euclidean algorithm, Modular arithmetic and basic properties of congruence's; Elementary theorems on the roots of polynomial equations, Imaginary roots, The fundamental theorem of algebra (statement only); The n^{th} roots of unity, De Moivre's theorem for integer and rational indices and its applications.	12
II	Groups, Subgroups, Normal Subgroups and Isomorphism Theorems : Definition and properties of a group, Abelian groups, Examples of groups including D_n (dihedral groups), Q_8	12

T.M.

	(quaternion group), $GL(n, \mathbb{R})$ (general linear groups) and $SL(n, \mathbb{R})$ (special linear groups); Subgroups and examples, Cosets and their properties, Lagrange's theorem and its applications, Normal subgroups and their properties, Simple groups, Factors groups; Group homomorphisms and isomorphisms with properties; First, second and third isomorphism theorems for groups.	
III	Cyclic and Permutation Groups: Cyclic groups and properties, Classifications of subgroup of cyclic groups, Cauchy theorem for finite abelian groups; Centralizer, Normalizer, Center of a group, Product of two subgroups, Permutation group and properties, Even and odd permutations, Cayley's theorem.	12
IV	Row Echelon Form of Matrices and Applications: Systems of linear equations, Row reduction and echelon forms, The rank of a matrix and its applications in solving system of linear equations; Matrix operations, Symmetric, skew-symmetric, self-adjoint, orthogonal, Hermitian, skew-Hermitian and unitary matrices; Determinant of a square matrix, The inverse of a square matrix, Eigen vectors and eigen values, The characteristic equation and the Cayley-Hamilton theorem, Applications of matrices to computer graphics and search engines.	12
V	Vector Spaces and Linear Transformations: Definitions of field and vector space with examples, Subspaces, Linear span, Quotient space and direct sum, Linearly independent and dependent sets, Bases and dimension, Linear transformation and matrix of a linear transformation, Change of coordinates, Rank and nullity of linear transformation, Rank-nullity theorem.	12

Part C - Learning Resource

Text Books and Reference Books

1. Michael Artin *Algebra* (2nd edition). Pearson 2014.
2. John B. Fraleigh. *A First Course in Abstract Algebra* (7th edition). Pearson 2007.
3. Stephen H. Friedberg, Arnold J. Insel & Lawrence E. Spence. *Linear Algebra* (4th edition). Prentice-Hall of India Pvt. Ltd. 2003
4. Joseph A. Gallian. *Contemporary Abstract Algebra* (9th edition). Cengage. 2017
5. Kenneth Hoffman & Ray Kunze. *Linear Algebra* (2nd edition). Prentice-Hall. 2015

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6. I. N. Herstein, *Topics in Algebra* (2nd edition), Wiley India, 2006
7. Nathan Jacobson, *Basic Algebra I* (2nd edition), Dover Publications, 2009
8. Ramji Lal, *Algebra I: Groups, Rings, Fields and Arithmetic*, Springer, 2017
9. I.S. Luthar & I.B.S. Passi, *Algebra: Volume 1: Groups*, Narosa, 2013

E- Resources

1. Suggested Equivalent **online courses**: Web link NPTEL/ SWAYAM/ MOOCs
2. Linear Algebra
https://www.youtube.com/watch?v=9h_Q-R6sXbM&list=PL7oBzLzHZ1wXQvQ938Wg1-soq09GywgOw
3. Group theory
<https://www.youtube.com/watch?v=pMzclG6s3z0&list=PLEAYkSg4uSQ1YhXu2U-BxtRjZEIrfVVcO>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks:

50 Marks

Declaration

This is to certify that the syllabus is framed by the Central Board of Studies (Mathematics) as per the guidelines (TOR) of the Department of Higher Education, Raipur Chhattisgarh.

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Asst. Prof.
Dr. B.R. Ambedkar Govt. College, Baloda
5. Dr. Arun Kumar Mishra
Professor
Govt, DT PG College, Utai
6. Dr. Shabnam Khan

- Chairman

- Member

- Member

- Member

- Member

- Member

Month September

Proposed Syllabus	Date	Class
	01.09.23	B. Lab
	02.09.23	
	03.09.23	
	04.09.23	
	05.09.23	
	06.09.23	
	07.09.23	
	08.09.23	
	09.09.23	
	10.09.23	
	11.09.23	
	12.09.23	
	13.09.23	
	14.09.23	

Session 2023-2024

Work Done	Administrative / Research / Other work	Remark
<p>Unit <u>IV</u> - Redox, potential, - enhancement of series and its applications involved in extraction of coordination compounds. Isomersism theory and its experimental verification IUPAC Nomenclature</p>		
<u>SUNDAY</u>		
<p>Isomerism in coordination complex Stereochemistry of complex with 4 and 6 coordination number. chelate, polymeric complex Alcohols Nomenclature, preparation Properties and relative reactivity of 1° 2° 3° alcohols; Berzliet-Lotme Reduction</p>		
<u>Krishna Janmashtmi Holiday</u>		
<p>Dihydrate alcohols method of formation chemical reaction of vicinal diol, acetal formation (Ph₂O), TiO₂ and Pinacol-Pinacolate rearrangement</p>		
<u>SUNDAY</u>		
<p>Phenols: - Structure and bonding in phenols, physical properties, and acidic character, comparative acidic strength of alcohols and phenols, acylation and carbonylation</p>		
<p>B. Mechanism of Fries rearrangement Claisen rearrangement, Gatterman synthesis Hunsdieck Reichen, Favorskii Maruse Reichen and Reimer</p>		
<u>Uman Reaction</u>		

Signature of Teacher

Signature of Principal

Month		
Proposed Syllabus	Date	Class
1	2	3
	15.03.23	
	16.03.23	
	17.03.23	
	18.03.23	
	19.03.23	
	20.03.23	
	21.03.23	
	22.03.23	
	23.03.23	
	24.03.23	
	25.03.23	
	26.03.23	
	27.03.23	

Session		
Work Done	Administrative / Academic Research / Other work	Remark
4	5	6
<p><u>A. Thermodynamics II - Second Law of Thermodynamics: Spontaneous process, Second law - statements.</u> <u>Carnot cycle and efficiency of heat engine.</u> <u>SUNDAY</u></p>		
<p><u>Carnot's Theorem, Thermodynamic Key Festival Holiday.</u></p>		
<p><u>Thermodynamic state of temperature. Concept of entropy. Entropy change in a reversible and irreversible expansion of an ideal gas, entropy change.</u></p>		
<p><u>Entropy change in isothermal mixing of ideal gases, physical significance of entropy. Molecular and statistical interpretation of entropy.</u></p>		
<p><u>Monday</u></p>		
<p><u>B. Gibbs and Helmholtz free energy, variation of G and A with pressure, V & T. Gibbs - Helmholtz equation.</u></p>		
<p><u>Maxwell Relations, Elementary idea of Third Law of Thermodynamics.</u></p>		
Signature of Teacher		Signature of Principal

Month September

Proposed Status	Date	Class
	2	3
	29.03.23	
	29.03.23	
	30.03.23	

Session 2023-2024

Work Done	Administrative / Academic / Research / Other work	Remark
4	5	6
Feb - e - Miled		
Account Chaitradashi Holiday		
Concept of residual entropy calculation of absolute entropy of molecule.		

Pratik

Signature of Teacher

M. K. Singh

Signature of Principal

(1) Serial No	(2) S.A. III B.A. Name	(3) Post	(4) ATTEN								(5) Remarks
			1	2	3	4	5	6	7	8	
1	Ku. Chinu, ka Sahu		P	P	P	A	P	P	P		
2	Mozika		A	P	P	P	P		P	P	
3	Jehan		P	P	P	A	P		P	P	
4	Dileshwari Verma		P	A	P	P	P		P	P	
5	Gyanvi		P	A	P	A	P		P	P	
6	Kisli Sahu		P	P	P	A	P		P	P	
7	Kiran		P	A	P	P	P		P	P	
8	Radhika		P	A	P	P	P		P	P	
9	Dhagyashree Verma		P	P	P	A	P		P	P	
10	Astitunisha		P	P	P	P	P		P	P	
11	Aika Bihariya		P	A	P	P	P		P	P	
12	Kamini		P	P	P	P	P		P	P	
13	Sheetal		P	P	P	P	P		P	P	
14	Palendra Kumar Sahu		P	P	P	P	P		P	P	
15	Chandrapal Verma		P	P	A	P	P		P	P	
16	Ku. Laxmi Nishad		P	P	P	A	P		P	P	
17	Niron Kumar		P	P	P	A	P		P	P	
18	Ku. Vanita Sahu		P	P	A	P	P		P	P	
19	Pitushwan Patel		P	A	P	P	P		P	P	
20	Ku. Bhawna Kasari		P	P	A	P	P		P	P	
21	Lalita		P	P	P	A	P		P	P	
22	Sanjiv Kumar Thakur		P	P	P	P	P		P	P	
23	Trivencha Kumar		P	P	P	P	P		P	P	
24	Ku. Meera Yadu		P	P	P	P	P		P	P	
25	Kalpna		P	P	P	P	P		P	P	
26	Ruchi		P	P	A	P	P		P	P	
27	Hemlata Verma		P	P	P	P	P		P	P	
28	Truti Verma		P	A	P	P	P		P	P	
29	Rashmi Sahu		P	P	P	A	P		P	P	

DANCES																													(5) Remarks
	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
1	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
3	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
4	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
6	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
7	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
8	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
9	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
10	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
11	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
12	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
13	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
14	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
15	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
16	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
17	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
18	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
19	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
20	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
23	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
24	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
25	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
26	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
27	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
28	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
29	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
30	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
31	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		

Signature of Principal

Govt. Rani Avanti Bai Lodhi College

B.Sc. II (Maths) †

ATTENDANCE

(1) Serial No.	(2) Name	(3) Post	(4) ATTEN							(5) Remarks
			1	2	3	4	5	6	7	
30	ku Jharna		A	P	A	P	P	A	P	P
31	Rahul Kumar		A	P	P	A	P	P	A	P
32	ku Neha Bhojra Gade		P	A	P	P	A	P	P	P
33	" Boli Shankar		A	P	P	P	P	P	P	P
34	Sagar Singh		A	P	P	P	P	P	P	P
35	ku Shubhramjali		P	P	A	P	P	P	P	P
36	" Geeta Verma		P	P	P	A	P	P	P	P
37	" Manisha		A	P	P	P	P	P	P	P
38	" Tejeswari		P	P	A	P	P	P	P	P
39	" Manika Sahu		P	A	P	P	A	P	P	P
40	" Pravinlata Patel		A	P	P	P	P	P	P	P
41	" Soniya D/o Rameshkumar		P	A	P	P	P	P	P	P
42	Sa bhav kumar		A	P	P	P	P	P	P	P
43	" Divya		P	A	P	P	P	P	P	P
44	" Sheetal		P	A	P	P	A	P	P	P
45	" Soniya / D/o Jitkumar		P	A	P	P	A	P	P	P
46	" Maheswari		P	P	A	P	P	P	P	P
47	" Vandana		P	P	P	A	P	P	P	P
48	" Neema		P	P	P	P	P	P	P	P
49	" Homeshwari		A	P	P	A	P	P	P	P
50	" Dikshita		P	P	P	P	P	P	P	P
51	" Lakshmi kumar		A	P	P	P	P	P	P	P
52	ku Damini		P	P	P	P	P	P	P	P
53	" Meghasani Verma		P	P	P	A	P	P	P	P
54	" Janini		P	A	P	P	A	P	P	P
55	" Babita Yadav		P	P	P	P	A	P	P	P
56	" Khomin Sahu		P	P	P	A	P	P	P	P
57	" Digantika Thakur		P	P	P	P	P	P	P	P
58	" Akanksha Desai		P	P	P	P	P	P	P	P

Ghumka, Rajnandgaon (C.G.)

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DANCES																	(8) Remarks						
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		26	27	28	29	30	31
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Principal

Govt. Rani Avanti Bai Lodhi College

ATTENDANCE

(1) Serial No	(2) Name	(3) Post	(4) ATTEN.							(5) Remarks
			1	2	3	4	5	6	7	
59	Kailash Mahilka		P	P	P	P	P	P	P	D
60	Chandroshkhar Sahu		A	P	A	D	D		P	A
61	Ku. Dewika		D	D	P	A	A		P	A
62	" Damani		P	P	D	A	A		P	P
63	Lalit kumar		A	P	P	A	D		P	D
64	Ku. Dali Thakur		P	P	A	A	P		P	D
65	Swetal Kumar S/O Shakti Lal		P	P	P	A	A		P	D
66	Ku. Japali		A	P	P	P	P		P	D
67	Harish Kumar		P	A	A	P	D		P	D
68	Ku. Omashwari		P	P	P	P	A		P	D
69	" Deepika		D	P	A	P	P		P	D
70	Ku. Swetal D/O Mahesh Sahu		P	A	P	P	A		P	D
71	Vinay Sahu		P	A	P	P	P		P	D
			P	P	P	P	P		P	D
			P	P	P	P	P		P	D
	<u>B.Sc. III (Maths)</u>		P	P	P	P	P		P	D
1	Jayant		P	A	P	P	P		P	D
2	Gunwanant Yadav		P	A	P	P	P		P	D
3	Ku. Nikhita Verma		P	P	P	P	P		P	D
4	Swindra Kumar		P	P	P	P	P		P	D
5	Khonesh Kumar Verma		P	P	P	P	P		P	D
6	Mukesh Kumar		P	A	P	P	P		P	D
7	Ku. Deeksha Verma		P	P	P	P	P		P	D
8	" Bhumika Nikhita		P	P	P	P	P		P	D
9	Nalayon		P	P	P	P	P		P	D
10	Ku. Madhu Verma		A	D	P	P	P		P	D

Ghumka, Rajnandgaon (C.G.) REGISTER August 2023

(4) DANCES		(5) Remarks																				
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Principal

