



SHIKSHAN MAHARSHI GURUVARYA R G SHINDE MAHAVIDYALAYA, PARANDA DIST. OSMANABAD (MS)-413502

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NAAC Reaccredited with 'A' grade with CGPA 3.15 in 3rd Cycle

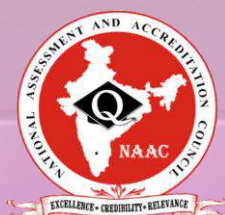
AQAR 2022-23

CRITERION 2

TEACHING - LEARNING AND EVALUATION

2.6.1 Teachers and students are aware of the stated programme and course outcomes of the programmes offered by the institution

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL



ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF MARATHI

Result Analysis

Name of the department: Marathi

Class: B. A. I

Semester: I

Paper No. and Name: Paper – I अभंगाविष्कार

Paper – II निवडक कथा

Name of Examination: Oct / Nov 2022

IQAC Coordinator
S.G.R.G. Shinde Mahavidyalaya
Paranda, Dist. Osmanabad.



PRINCIPAL
Shikshan Maharshi Guruvarya
R.G. Shinde Mahavidyalaya, Paranda
(2) Dist. Dhurashiv

Sl. No.	Result Details	Number of Students	
		Paper – I अभंगाविष्कार	Paper – II निवडक कथा
1	Admitted Students	60	60
2	Appeared students	49	49
3	Grade O Students (Grade Points 10.00)	00	00
4	Grade A++ Students (Grade Points 8.99)	00	02
5	Grade A+ Students (Grade Points 7.99)	00	05
6	Grade A Students (Grade Points 6.99)	01	11
7	Grade B+ Students (Grade Points 5.99)	04	04
8	Grade B Students (Grade Points 5.49)	06	03
9	Grade C+ Students (Grade Points 4.99)	04	03
10	Grade C Students (Grade Points 4.49)	07	03
11	Grade D Students (Grade Points 4.00)	00	00
12	Grade F Students	25	16
13	Absent Students	02	02
14	Total Passing Percentage	46.90 %	65.30 %



SHRI BHAVANI SHIKSHAN PRASARAK MANDAL'S
SHIKSHAN MAHARSHI GURUVARYA R. G. SHINDE MAHAVIDYALAYA,
PARANDA- DIST. OSMANABAD
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Attainment of COs

Course No. and Name	Course Outcomes	Attainment Level
Paper – I अभंगाविष्कार		3 (L)
Paper – II निवडक कथा		3 (H)



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Result Analysis

Name of the department: Marathi

Class: B. A. II

Semester: III

Paper No. and Name: Paper V आधुनिक मराठी वाङ्मयाचा इतिहास (१८१८ ते १९२०)

Paper VI दृक्श्राव्य माध्यमासाठी लेखन कौशल्य

Name of Examination: Oct / Nov 2022

Sl. No.	Result Details		Paper V आधुनिक मराठी वाङ्मयाचा इतिहास (१८१८ ते १९२०)	Paper VI दृक्श्राव्य माध्यमासाठी लेखन कौशल्य
1	Admitted Students		25	25
2	Appeared students		19	19
3	Passed with Percentage	40 % - 50.99 %	02	05
		51 % - 59.99 %	03	00
		60 % and above	02	06
4	Failed students		08	03
5	Absent Students		04	04
6	Total Passing Percentage		57.89 %	78.94 %



Attainment of COs

Course	Course Outcome		Attainment Level
Paper V आधुनिक मराठी वाङ्मयाचा इतिहास (१८१८ ते १९२०)	CO1	आधुनिक मराठी वाङ्मयचा इतिहास ओळखतोसांगतो ,आठवतो	2 (M)
	CO2	दोन कालखंडातील एकाच वाङ्मय प्रकारावर तौलनिक विचार मांडतो	
	CO3	वाङ्मय लेखक व कालक्रमिकविचारकरोतो.	
Course	Course Outcome		Attainment Level
Paper VI दृक्श्राव्य माध्यमासाठी लेखन कौशल्य	CO1	भाषिक कौशल्याचा विकास होतो (विशेषतः लेखन)	3 (H)
	CO2	कलाकृतीचे अंतरंग समजून घेतो.	
	CO3	दृक्श्राव्य माध्यमाद्वारे भाषा विचार यांची/अभिव्यक्ती करतो.	
	CO4	मराठी भाषा साहित्याचा परिचय करून घेतो.	



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Result Analysis

Name of the department: Marathi

Class: B. A. III

Semester: V

Paper No. and Name: Paper IX भारतीय साहित्य विचार

Paper X भाषा विज्ञान

Paper XI मध्ययुगीन वाङ्मयाचा इतिहास (१६०० ते १८००)

Name of Examination: Oct / Nov 2022

Sl. No.	Result Details		Paper IX भारतीय साहित्य विचार	Paper X भाषा विज्ञान	Paper XI मध्ययुगीन वाङ्मयाचा इतिहास (१६०० ते १८००)
1	Admitted Students		20	20	03
2	Appeared students		20	20	03
3	Passed with Percentage	40 % - 50.99 %	07	14	03
		51 % - 59.99 %	00	02	00
		60 % and above	00	02	00
4	Failed students		12	01	00
5	Absent Students		01	01	00
6	Total Passing Percentage		35.00 %	90.00 %	100 %



Attainment of COs

Course	Course Outcome		Attainment Level
Paper IX भारतीय साहित्य विचार	CO1	भारतीय साहित्याचा परिचय होतो व त्याचे रसग्रहण करतो	1 (L)
	CO2	भारतीय साहित्यातील समाज जीवनाच्या प्रतिबिंबाचा शोध घेतो	
	CO3	नव्या व्याख्या उद्दिष्ट व जनक कारणांचा शोध घेता येतो	
Course	Course Outcome		Attainment Level
Paper X भाषा विज्ञान	CO1	भाषा शास्त्राचा सार्थ शोध घेतो.	3 (H)
	CO2	भाषेचा शास्त्रीय पातळीवर अभ्यास करतो.	
	CO3	विविध साहित्याप्रती अभिरुची वाढवतो.	
	CO4	भाषा आणि बोली यांचा परस्पर संबंध लक्षात येतो	
Course	Course Outcome		Attainment Level
Paper XI मध्ययुगीन वाङ्मयाचा इतिहास (१६०० ते १८००)	CO1	आधुनिक मराठी वाङ्मयचा इतिहास ओळखतो ,आठवतो , सांगतो	3 (H)
	CO2	दोन कालखंडातील एकाच वाङ्मय प्रकारावर तौलनिक विचार मांडतो	
	CO3	वाङ्मय लेखक व कालक्रमिकविचारकरतो.	



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Result Analysis

Name of the department: Marathi

Class: B. A. I

Semester: II

Paper No. and Name: Paper III आधुनिक मराठी कवितार्थ

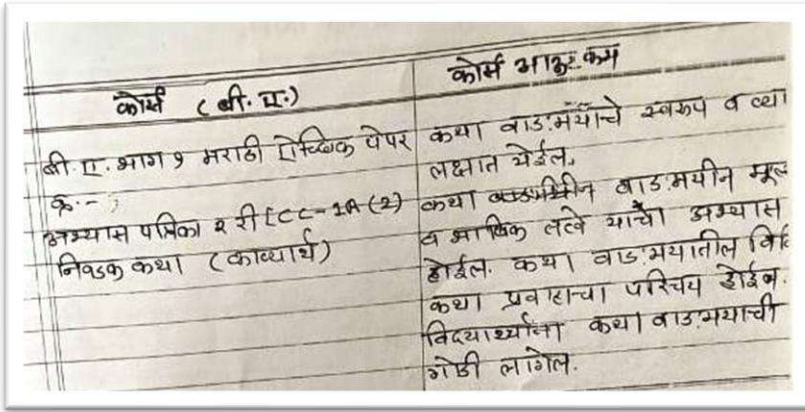
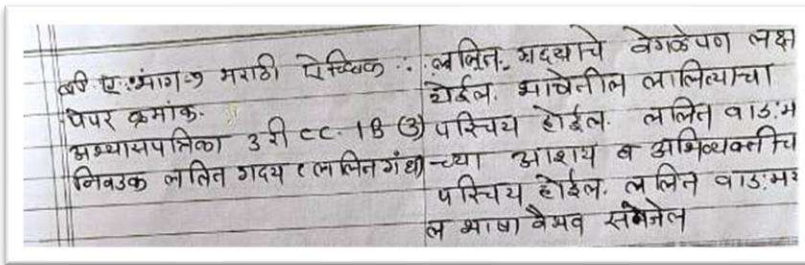
Paper IV ललितगंध

Name of Examination: March / April 2023

Sl. No.	Result Details	Number of Students	
		Paper – III आधुनिक मराठी कवितार्थ	Paper IV ललितगंध
1	Admitted Students		
2	Appeared students	31	37
3	Grade O Students (Grade Points 10.00)	00	00
4	Grade A++ Students (Grade Points 8.99)	00	00
5	Grade A+ Students (Grade Points 7.99)	00	00
6	Grade A Students (Grade Points 6.99)	3	9
7	Grade B+ Students (Grade Points 5.99)	00	00
8	Grade B Students (Grade Points 5.49)	16	13
9	Grade C+ Students (Grade Points 4.99)	00	00
10	Grade C Students (Grade Points 4.49)	4	8
11	Grade D Students (Grade Points 4.00)	2	1
12	Grade F Students	6	6
13	Absent Students	00	00
14	Total Passing Percentage	80.00%	83.00%



Attainment of COs

Course	Course Outcome	Attainment Level
Paper III आधुनिक मराठी कवितार्थ		3 (H)
Paper IV ललितगंध		3 (H)



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Result Analysis

Name of the department: Marathi

Class: B. A. II

Semester: IV

Paper No. and Name: Paper VII आधुनिक मराठी वाङ्मयाचा इतिहास (१८१८ ते १९२०)

Paper VIII साहित्याचे माध्यमांतर

Name of Examination: March / April 2023

Sl. No.	Result Details		Paper VII आधुनिक मराठी वाङ्मयाचा इतिहास (१८१८ ते १९२०)	Paper VIII साहित्याचे माध्यमांतर
1	Admitted Students			
2	Appeared students		18	18
3	Passed with Percentage	40 % - 50.99 %	10	10
		51 % - 59.99 %	04	04
		60 % and above	00	00
4	Failed students		03	03
5	Absent Students		01	01
6	Total Passing Percentage		77.77 %	77.77 %



Attainment of COs

Course	Course Outcome		Attainment Level
Paper VII आधुनिक मराठी वाङ्मयाचा इतिहास (१८१८ ते १९२०)	CO1	आधुनिक मराठी वाङ्मयाचा इतिहास ओळखतो ,आठवतो , सांगतो	3 (H)
	CO2	दोन कालखंडातील एकाच वाङ्मय प्रकारावर तौलनिक विचार मांडतो	
	CO3	वाङ्मय लेखक व कालक्रमिकविचारकरतो.	
Course	Course Outcome		Attainment Level
Paper VIII साहित्याचे माध्यमांतर	CO1	भाषिक कौशल्याचा विकास होतो (विशेषतः लेखन)	3 (H)
	CO2	कलाकृतीचे अंतरंग समजून घेतो.	
	CO3	दृक्श्राव्य माध्यमाद्वारे भाषा विचार यांची/अभिव्यक्ती करतो.	
	CO4	मराठी भाषा साहित्याचा परिचय करून घेतो.	



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Result Analysis

Name of the department: Marathi

Class: B. A. III

Semester: VI

Paper No. and Name:

Paper XIII पाश्चिमात्य साहित्य विचार

Paper XIV व्याकरण आणि निबंध

Paper XV मध्ययुगीन मराठी वाङ्मयाचा इतिहास (१८०० ते १९२०)

Paper XII, XVI मुख्य मराठी भाषा प्रकल्प कार्य (भाग १ व २)

Name of Examination: March / April 2023

Sl. No.	Result Details		Paper XIII पाश्चिमात्य साहित्य विचार	Paper XIV व्याकरण आणि निबंध	Paper XV मध्ययुगीन मराठी वाङ्मयाचा इतिहास (१८०० ते १९२०)	Paper XII, XVI मुख्य मराठी भाषाप्रकल्प कार्य (भाग १ व २)
1	Admitted Students					
2	Appeared students		16	16	04	04
3	Passed with Percentage	40 % - 50.99 %	08	00	02	04
		51 % - 59.99 %	02	06	01	00
		60 % and above	01	10	01	00
4	Failed students		05	00	00	00
5	Absent Students		00	00	00	00
6	Total Passing Percentage		68.75 %	100 %	100 %	100 %



Attainment of COs

Course	Course Outcome		Attainment Level
Paper XIII पाश्चिमात्य साहित्य विचार	CO1	पाश्चिमात्य साहित्याचा परिचय होतो व त्याचे रसग्रहण करतो.	3 (H)
	CO2	पाश्चिमात्य साहित्यातील समाज जीवनाच्या प्रतिबिंबाचा शोध घेतो.	
	CO3	नव्या व्याख्या उद्दिष्ट व जनक कारणांचा शोध घेता येतो.	
Course	Course Outcome		Attainment Level
Paper XIV व्याकरण आणि निबंध	CO1	व्याकरणाची माहिती होते.	3 (H)
	CO2	उच्चार शास्त्राचे ज्ञान होते	
	CO3	विविध भाषिक कौशल्य आणि शैलीचा वापर करून अभिव्यक्ती करतो.	
Course	Course Outcome		Attainment Level
Paper XV मध्ययुगीन मराठी वाङ्मयाचा इतिहास (१८०० ते १९२०)	CO1	पाश्चिमात्य साहित्याचा परिचय होतो व त्याचे रसग्रहण करतो	3 (H)
	CO2	पाश्चिमात्य साहित्यातील समाज जीवनाच्या प्रतिबिंबाचा शोध घेतो	
	CO3	नव्या व्याख्या उद्दिष्ट व जनक कारणांचा शोध घेता येतो.	
Course	Course Outcome		Attainment Level
Paper XII, XVI मुख्य मराठी भाषाप्रकल्प कार्य (भाग १ व २)	CO1	प्रकल्प विषयक लेखनाची जाणीव विकसित होते.	3 (H)
	CO2	लेखन व संशोधन कौशल्य विकसित होते.	
	CO3	तार्किक व विश्लेषणात्मक क्षमता विकसित होते.	
	CO4	समीक्षणात्मक लेखन करू शकतो.	



ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF HINDI

Result Analysis

Name of the department: Hindi

Class: B. A. I

Semester: I

Paper No. and Name: Second Language (SL): सामान्य हिंदी, Paper I: हिन्दी साहित्य क इतिहास, Paper II: आधुनिक कविता

Name of Examination: Oct / Nov 2022

Sl. No.	Result Details	Number of Students		
		SL	Paper I	Paper II
1	Admitted Students			
2	Appeared students			
3	Grade O Students (Grade Points 10.00)			
4	Grade A++ Students (Grade Points 8.99)			
5	Grade A+ Students (Grade Points 7.99)			
6	Grade A Students (Grade Points 6.99)			
7	Grade B+ Students (Grade Points 5.99)			
8	Grade B Students (Grade Points 5.49)	03	03	03
9	Grade C+ Students (Grade Points 4.99)	08		07
10	Grade C Students (Grade Points 4.49)			
11	Grade D Students (Grade Points 4.00)	01		03
12	Grade F Students	31	40	27
13	Absent Students			
14	Total Passing Percentage	27.90 %	7.50 %	32.50%



Attainment of COs

Course	Course Outcome		Attainment Level
हिंदी द्वितीय भाषा सामान्य हिंदी (SL)	CO1	छात्रों को हिंदी के प्रतिनिधी कहानीकारों से परिचित कराना	1 (L)
	CO2	छात्रों के साहित्य संवेदनाओं का विकास से परिचित कराना	
	CO3	कहानी का रसास्वादन एवं सृजन क्षमता का विकास कराना	
	CO4	छात्रों को हिंदी भाषा साहित्य से परिचित कराना	
	CO5	छात्रों को हिंदी व्याकरण, भाषा कौशल से परिचित कराना	
	CO6	छात्रों को हिंदी कविता का सामान्य परिचय कराना	

Course	Course Outcome		Attainment Level
Paper I: हिन्दी साहित्य का इतिहास	CO1	छात्रों को हिंदी साहित्य इतिहास लेखन तथा उसकी परमारा का अध्ययन कराना	1 (L)
	CO2	साहित्य और चुन बोध के संबध में छात्रों को परिचित कराना	
	CO3	छात्रों को साहित्य अध्ययन की ऐतिहासिक दृष्टी का विकास करना	

Course	Course Outcome		Attainment Level
Paper II: आधुनिक कविता	CO1	छात्रों को हिंदी कविता की विशेषताओं से परिचित कराना	1 (L)
	CO2	छात्रों को लंबी कविता का रचना विधान से परिचय कराना	
	CO3	साहित्य संवेदना का विकास करना	
	CO4	भाषा कौशल का विकास कराना	



Result Analysis

Name of the department: Hindi

Class: B. A. II

Semester: III

Paper No. and Name: Second Language (SL): सामान्य हिंदी,

Paper V: कथेत्तर गद्य साहित्य,

Paper VI: प्रयोजन मुलक हिन्दी

Name of Examination: Oct / Nov 2022

Sl. No.	Result Details		SL सामान्य हिंदी	Paper V कथेत्तर गद्य साहित्य	Paper VI प्रयोजन मुलक हिन्दी
1	Admitted Students		19	15	15
2	Appeared students		19	15	15
3	Passed with Percentage	40 % - 50.99 %	05	05	06
		51 % - 59.99 %	02	02	02
		60 % and above	06	01	01
4	Failed students		04	05	04
5	Absent Students		02	02	02
6	Total Passing Percentage		68.42 %	53.33 %	60.00 %



Attainment of COs

Course	Course Outcome		Attainment Level
हिंदी द्वितीय भाषा सामान्य हिंदी (SL)	CO1	छात्रों को गद्य के विविध आयाम का परिचय कराना।	3 (H)
	CO2	साहित्य आस्वादन अभिरुची का परिसंस्कार करना।	
	CO3	साहित्य को जीवनमूल्यों के प्रति आस्था निर्माण करना।	
	CO4	छात्रों को पाठ्यक्रम के माध्यम से अत्याधुनिक इलेक्ट्रॉनिक माध्यमों का परिचय कराना।	
	CO5	छात्रों को व्यवसायिक पत्र लेखन की पद्धति से अवगत	
	CO6	छात्रों में भाषा कौशल कला को विकसित करना।	
	CO7	छात्रों में अंग्रेजी से हिंदी में अनुवाद करने की कला को विकसित करना।	
Course	Course Outcome		Attainment Level
Paper V: कथेत्तर गद्य साहित्य	CO1	छात्रों को हिन्दी कथेत्तर गद्य संवदेना की परम्परा का परिचय कराना।	2 (M)
	CO2	छात्रों को हिंदी आत्मकथा विधी तथा यात्रा साहित्य का उदभव और विकास का परिचय कराना।	
	CO3	छात्रों को हिंदी के प्रतिनिधी निबंधकारों से परिचित कराना।	
	CO4	परिभाषिक शब्दावली के माध्यम से हिंदी शब्दों से परिचित कराना।	
	CO5	छात्रों को देवनागरी लिपि का उदभव और विकास का परिचय कराना।	
Course	Course Outcome		Attainment Level
Paper VI प्रयोजनमुलक हिंदी	CO1	छात्रों को परिभाषिक शब्दावली के माध्यम से हिंदी शब्दों से परिचित कराना।	3 (H)
	CO2	छात्रों को देवनागरी लिपि का उदभव और विकास का परिचय कराना।	
	CO3	हिंदी के उदभव और विकास।	
	CO4	हिंदी के संक्षेपन पल्लवनटिपण का परिचय करवाना।	



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Result Analysis

Name of the department: Hindi

Class: B. A. III

Semester: V

Paper No. and Name: Paper IX: प्रादेशिक साहित्य,

Paper X: आदि तथा मध्यकालीन हिन्दी साहित्य का इतिहास

Name of Examination: Oct / Nov 2022

Sl. No.	Result Details		Paper IX प्रादेशिक साहित्य	Paper X आदि तथा मध्यकालीन हिन्दी साहित्य का इतिहास
1	Admitted Students		17	17
2	Appeared students		17	17
3	Passed with Percentage	40 % - 50.99 %	04	10
		51 % - 59.99 %	00	00
		60 % and above	01	03
4	Failed students		12	04
5	Absent Students		00	00
6	Total Passing Percentage		29.41 %	76.47 %



Attainment of COs

Course	Course Outcome		Attainment Level
Paper IX: प्रादेशिक साहित्य	CO1	छात्रों को आत्मकथा का परिचय कराना	1 (L)
	CO2	मराठी प्रतिनिधी कहाणीयों का परिचय कराना	
	CO3	साहित्य अस्वादन – अभिरुची का परिसंस्कार	
	CO4	जीवनमूल्यों के प्रति आस्था	
	CO5	प्रादेशिक साहित्य का ज्ञान	
	CO6	भारतीय साहित्य का अध्ययन	
	CO7	व्याख्यान पद्धती	
	CO8	लेखन एवं पठन कौशल विकास के लिए अभ्यास	
	CO9	मराठी का कहानी साहित्य : सामान्य परिचय	
	CO10	दलित आत्मकथा साहित्य : सामान्य परिचय	
Course	Course Outcome		Attainment Level
Paper X: आदि तथा मध्यकालिन हिंदी साहित्य का इतिहास	CO1	हिंदी साहित्य के आदिकालीन और मध्यकालीन इतिहास को अवगत कराना	3 (H)
	CO2	हिंदी साहित्य की दर्शनिक पूर्व पीठीका से परिचय कराना	
	CO3	हिंदी साहित्य के आदिकालीन और मध्यकालीन कालजयी रचना तथा रचनाकारों का सामान्य परिचय कराना	
	CO4	हिंदी साहित्य के इतिहास का परिचयात्मक अध्ययन कराना	
	CO5	हिंदी साहित्य के इतिहास के आदिकाल, भक्तीकाल, रितीकाल का अध्ययन कराना	



Result Analysis

Name of the department: Hindi

Class: B. A. I

Semester: II

Paper No. and Name:

Name of Examination: March / April 2023

Sl. No.	Result Details	Number of Students		
		SL	Paper I	Paper II
1	Admitted Students	33	31	31
2	Appeared students			
3	Grade O Students (Grade Points 10.00)			
4	Grade A++ Students (Grade Points 8.99)			
5	Grade A+ Students (Grade Points 7.99)	01		
6	Grade A Students (Grade Points 6.99)	08		
7	Grade B+ Students (Grade Points 5.99)	03		02
8	Grade B Students (Grade Points 5.49)	10		03
9	Grade C+ Students (Grade Points 4.99)	05	01	03
10	Grade C Students (Grade Points 4.49)	03	04	03
11	Grade D Students (Grade Points 4.00)			06
12	Grade F Students	03	26	14
13	Absent Students			
14	Total Passing Percentage	90.90%	16.12%	54.83%



Attainment of COs

Course	Course Outcome		Attainment Level
हिंदी द्वितीय भाषा सामान्य हिंदी (SL)	CO1	छात्रों को हिंदी के प्रतिनिधी कहानीकारों से परिचित कराना	3 (H)
	CO2	छात्रों के साहित्य संवेदनाओं का विकास से परिचित कराना	
	CO3	कहानी का रसास्वादन एवं सृजन क्षमता का विकास कराना	
	CO4	छात्रों को हिंदी भाषा साहित्य से परिचित कराना	
	CO5	छात्रों को हिंदी व्याकरण, भाषा कौशल से परिचित कराना	
	CO6	छात्रों को हिंदी कविता का सामान्य परिचय कराना	

Course	Course Outcome		Attainment Level
Paper III: हिन्दी साहित्य का इतिहास	CO1	छात्रों को हिंदी साहित्य इतिहास लेखन तथा उसकी परमारा का अध्ययन कराना	1 (L)
	CO2	साहित्य और चुन बोध के संबध में छात्रों को परिचित कराना	
	CO3	छात्रों को साहित्य अध्ययन की ऐतिहासिक दृष्टी का विकास करना	

Course	Course Outcome		Attainment Level
Paper IV: आधुनिक कविता	CO1	छात्रों को हिंदी कविता की विशेषताओं से परिचित कराना	2 (M)
	CO2	छात्रों को लंबी कविता का रचना विधान से परिचय कराना	
	CO3	साहित्य संवेदना का विकास करना	
	CO4	भाषा कौशल का विकास कराना	



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Result Analysis

Name of the department: Hindi

Class: B. A. II

Semester: IV

Paper No. and Name: Second Language (SL): सामान्य हिंदी,

Paper VII: कथेततार गद्य साहित्य,

Paper VIII: प्रयोजन मुलक हिन्दी

Name of Examination: April / May 2023

Sl. No.	Result Details		SL	Paper VII कथेततार गद्य साहित्य	Paper VIII प्रयोजन मुलक हिन्दी
1	Admitted Students		21	15	15
2	Appeared students		21	15	15
3	Passed with Percentage	40 % - 50.99 %	06	09	09
		51 % - 59.99 %	04	04	03
		60 % and above	09	01	01
4	Failed students		00	00	00
5	Absent Students		02	01	02
6	Total Passing Percentage		90.47 %	93.33 %	86.66 %



Attainment of COs

Course	Course Outcome		Attainment Level
हिंदी द्वितीय भाषा सामान्य हिंदी (SL)	CO1	छात्रों को गद्य के विविध आयाम का परिचय कराना।	3 (H)
	CO2	साहित्य आस्वादन अभिरुची का परिसंस्कार करना।	
	CO3	साहित्य को जीवनमूल्यों के प्रति आस्था निर्माण करना।	
	CO4	छात्रों को पाठ्यक्रम के माध्यम से अत्याधुनिक इलेक्ट्रॉनिक माध्यमों का परिचय कराना।	
	CO5	छात्रों को व्यवसायिक पत्र लेखन की पद्धति से अवगत	
	CO6	छात्रों में भाषा कौशल कला को विकसित करना।	
	CO7	छात्रों में अंग्रेजी से हिंदी में अनुवाद करने की कला को विकसित करना।	
Course	Course Outcome		Attainment Level
Paper VII: कथेत्तर गद्य साहित्य	CO1	छात्रों को हिन्दी कथेत्तर गद्य संवेदना की परम्परा का परिचय कराना।	3 (H)
	CO2	छात्रों को हिंदी आत्मकथा विधी तथा यात्रा साहित्य का उदभव और विकास का परिचय कराना।	
	CO3	छात्रों को हिंदी के प्रतिनिधी निबंधकारों से परिचित कराना।	
	CO4	परिभाषिक शब्दावली के माध्यम से हिंदी शब्दों से परिचित कराना।	
	CO5	छात्रों को देवनागरी लिपि का उदभव और विकास का परिचय कराना।	
Course	Course Outcome		Attainment Level
Paper VIII: प्रयोजनमूलक हिंदी	CO1	छात्रों को परिभाषिक शब्दावली के माध्यम से हिंदी शब्दों से परिचित कराना।	3 (H)
	CO2	छात्रों को देवनागरी लिपि का उदभव और विकास का परिचय कराना।	
	CO3	हिंदी के उदभव और विकास।	
	CO4	हिंदी के संक्षेपन पल्लवनटिपण का परिचय करवाना।	



Result Analysis

Name of the department: Hindi

Class: B. A. III

Semester: VI

Paper No. and Name: Paper XIII: मध्यकालीन काव्य,

Paper XIV: आधुनिक साहित्य का इतिहास,

Paper XV: साहित्य शास्त्र,

Paper XVI: प्रकल्प लेखन

Name of Examination: April / May 2023

Sl. No.	Result Details		Paper XIII मध्यकालीन काव्य	Paper XIV आधुनिक साहित्य का इतिहास	Paper XV साहित्य शास्त्र	Paper XVI प्रकल्प लेखन
			Number of Students	Number of Students	Number of Students	Number of Students
1	Admitted Students		20	20	04	04
2	Appeared students		20	20	04	04
3	Passed with Percentage	40 % - 50.99 %	12	14	01	00
		51 % - 59.99 %	01	02	00	00
		60 % and above	04	02	03	04
4	Failed students		01	00	00	00
5	Absent Students		02	02	00	00
6	Total Passing Percentage		85.00 %	90.00 %	100 %	100 %



Attainment of COs

Course	Course Outcome		Attainment Level
Paper XIII: मध्यकालिन काव्य	CO1	भारतीय भक्ति का आंदोलन का परिचय छात्रोंको कराना।	3 (H)
	CO2	रितीकालीन संवदेना का अध्ययन कराना ।	
	CO3	कविता के माध्यम से मध्यकालीन सांस्कृतिक संवेदना का अध्ययन करना ।	
	CO4	भक्तिकालीन कविता का परिचय कराना ।	
	CO5	रीतीकालीन कविता का परिचय कराना ।	
Course	Course Outcome		Attainment Level
Paper XIV: आधुनिक साहित्य का इतिहास	CO1	हिंदी साहित्य के आधुनिक काल के इतिहास का परिचय कराना।	3 (H)
	CO2	आधुनिक हिंदी साहित्य की राजनीतिक, सामाजिक, धार्मिक परिस्थितियों का परिचय कराना ।	
	CO3	आधुनिक हिंदी साहित्य के रचनाकारोंका व्यक्तित्व एवं कृतित्व का सामान्य परिचय कराना ।	
	CO4	आधुनिक हिंदी साहित्य के भारत के युग, द्विवेदी युग, प्रयोगवादन ईकविता का विकास का अध्ययन कराना ।	
Course	Course Outcome		Attainment Level
Paper XV: साहित्यशास्त्र	CO1	साहित्य चिंतन का अध्ययन ।	3 (H)
	CO2	साहित्यलोचन क्षमता का परिचय ।	
	CO3	साहित्यसृजन के संस्कार ।	
	CO4	व्याख्यान ।	
	CO5	गोष्ठी, परिचर्चा तथा स्वाध्याय ।	
	CO6	अतिथि विद्वानों के व्याख्यान ।	
	CO7	साहित्यलोचन का अभ्यास ।	
	CO8	साहित्य का स्वरूप – साहित्य के तत्व ।	
	CO9	साहित्य के हेतु – शब्दशक्ती विचार – रस आदि का परिचय कराना ।	
Course	Course Outcome		Attainment Level
Paper XVI: प्रकल्पकार्य	CO1	छात्रों को हिंदी साहित्य में पठन-लेखन कौशल का विकास कराना ।	3 (H)
	CO2	छात्रों को हिंदी साहित्य में अलोचानात्मक क्षमता का विकास कराना ।	
	CO3	छात्रों को हिंदी साहित्य में अनुसंधनात्मक दृष्टि का विकास कराना ।	
	CO4	भाषा, साहित्य, साहित्येतिहास, साहित्यशास्त्र आदि से संबंधित विषय का चयनकर प्रकल्प लेखन करना ।	



ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF ENGLISH

Result Analysis

Name of Department : English
Class : B. A. I
Semester : I
Paper No and Name : Paper I Forms of literature I, Paper II Forms of literature II
Name of Examination : Oct/ Nov 2022

Sl. No.	Result Details	Number of Students	
		Paper I Forms of literature I	Paper II Forms of literature II
1	Admitted Students	21	21
2	Appeared students	21	21
3	Grade O Students (Grade Points 10.00)	00	00
4	Grade A++ Students (Grade Points 8.99)	00	00
5	Grade A+ Students (Grade Points 7.99)	00	00
6	Grade A Students (Grade Points 6.99)	00	00
7	Grade B+ Students (Grade Points 5.99)	00	00
8	Grade B Students (Grade Points 5.49)	00	02
9	Grade C+ Students (Grade Points 4.99)	00	00
10	Grade C Students (Grade Points 4.49)	00	00
11	Grade D Students (Grade Points 4.00)	00	01
12	Grade F Students	21	18
13	Absent Students	00	00
14	Total Passing Percentage	0 %	14.28 %

Attainment of COs

Course	Course Outcome		Attainment Level
Paper I Forms of Literature	CO1	Students are aware with the different form of literature.	1 (L)
	CO2	Students are able to learn features of different form of Drama.	
	CO3	Students are acquainted with the poetry of different writer.	
	CO4	Students have knowledge of form of Drama	
	CO5	Students are able to analyze, criticize and learn variety of Literature.	
Paper II Forms of Literature	CO1	Students are aware with the different form of Poetry.	1 (L)
	CO2	Students are able to learn features of different form of Drama.	
	CO3	Students are acquainted with the type of Essay.	
	CO4	Students have knowledge of form of Fiction.	
	CO5	Students are able to analyze, criticize, differentiate and learn variety of Literature.	



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Result Analysis

Name of Department : English
Class : B. A. II
Semester : III
Paper No and Name : Paper V Literature in English (1550-1750)
Paper VI Post Colonial Literature
Name of Examination : Oct/Nov 2022

Sl. No.	Result details	Number of Students	
		Paper V	Paper VI
1	Admitted	04	04
2	Appeared	04	04
3	Passed with percentage	41% - 50.99 %	01
		51% - 59.99 %	02
		60 % and above	00
4	Failed	01	01
5	Absent	00	00
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		75.00 %
			75.00 %

Attainment of COs

Course	Course Outcome		Attainment Level
Paper V Literature in English (1550-1750)	CO1	To expose students to the basics of poetry, novel, drama one of the forms of literature.	3 (H)
	CO2	To familiarize them with different types of drama, novel, poetry in English.	
	CO3	To make them understand the literary merit, beauty and creative use of language.	
	CO4	To introduce some advanced units of language so that they become aware of the technical aspects and their practical usage.	
	CO5	To prepare students to go for detailed study and understanding of literature and language.	
	CO6	To develop integrated view about language and literature in them.	
Course	Course Outcome		Attainment Level
Paper VI Post Colonial Literature	CO1	To expose students to the basics of poetry, novel, drama one of the forms of literature.	3 (H)
	CO2	To familiarize them with different types of drama, novel, poetry in English.	
	CO3	To make them understand the literary merit, beauty and creative use of language.	
	CO4	To introduce some advanced units of language so that they become aware of the technical aspects and their practical usage.	
	CO5	To prepare students to go for detailed study and understanding of literature and language.	
	CO6	To develop integrated view about language and literature in them.	



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Result Analysis

Name of Department : English
Class : B. A. III
Semester : V
Paper No and Name : Paper IX Study of English Language
Paper X Introduction to literary criticism and terms
Paper XI Introduction to Modern Linguistics in Research
Name of Examination : Oct/Nov 2022

Sl. No.	Result details		Number of Students		
			Paper IX	Paper X	Paper XI
1	Admitted		03	03	03
2	Appeared		03	03	03
3	Passed with percentage	41% - 50.99 %	00	02	02
		51% - 59.99 %	00	00	00
		60 % and above	00	00	00
4	Failed		03	01	01
5	Absent		00	00	00
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		0 %	66.66 %	66.66 %

Attainment of COs

Course	Course Outcome		Attainment Level
Paper X and XIV Introduction to Literary Criticism & Terms	CO1	Students are aware with different critical theory.	1 (L)
	CO2	Students are able to understand literary terms.	
	CO3	Students are acquainted with classical critic and their theories.	
	CO4	Students have knowledge of Tragedy, comedy and tragic comedy.	
	CO5	Students are able to analyze and apply theories on Literature.	
Paper XII and XVI Project Work on History of English Literature	CO1	Students are aware with different Period of Literature.	3 H)
	CO2	Students are able to understand major writer of the period.	
	CO3	Students are acquainted with main features of the period.	
	CO4	Students have knowledge of variety of literature.	
	CO5	This paper give opportunity to students to use his capacity to complete project.	



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Result Analysis

Name of Department : English
Class : B. A. I
Semester : II
Paper No and Name : Paper III, Paper IV
Name of Examination : Mar/April 2023

Sl. No.	Result Details	Number of Students	
		Paper III	Paper IV
1	Admitted Students		
2	Appeared students		
3	Grade O Students (Grade Points 10.00)	0	0
4	Grade A++ Students (Grade Points 8.99)	1	0
5	Grade A+ Students (Grade Points 7.99)	1	0
6	Grade A Students (Grade Points 6.99)	3	2
7	Grade B+ Students (Grade Points 5.99)	5	0
8	Grade B Students (Grade Points 5.49)	3	0
9	Grade C+ Students (Grade Points 4.99)	0	2
10	Grade C Students (Grade Points 4.49)	0	4
11	Grade D Students (Grade Points 4.00)	0	3
12	Grade F Students	3	5
13	Absent Students		
14	Total Passing Percentage	81.25%	68.75%

Attainment of COs

Course	Course Outcome		Attainment Level
Paper III Forms of Literature	CO1	Students are aware with the different form of literature.	3 (H)
	CO2	Students are able to learn features of different form of Drama.	
	CO3	Students are acquainted with the poetry of different writer.	
	CO4	Students have knowledge of form of Drama	
	CO5	Students are able to analyze, criticize and learn variety of Literature.	
Course	Course Outcome		Attainment Level
Paper IV Forms of Literature	CO1	Students are aware with the different form of Poetry.	3 (H)
	CO2	Students are able to learn features of different form of Drama.	
	CO3	Students are acquainted with the type of Essay.	
	CO4	Students have knowledge of form of Fiction.	
	CO5	Students are able to analyze, criticize, differentiate and learn variety of Literature.	



Result Analysis

Name of Department : English
Class : B. A. II
Semester : IV
Paper No and Name : Paper VII Literature in English (1550-1750)
Paper VIII Post Colonial Literature
Name of Examination : Mar/April 2023

Sl. No.	Result details		Number of Students	
			Paper V	Paper VI
1	Admitted		12	12
2	Appeared		12	12
3	Passed with percentage	41% - 50.99 %	03	00
		51% - 59.99 %	06	04
		60 % and above	02	08
4	Failed		01	00
5	Absent		00	00
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		91.66 %	100 %

Attainment of COs

Course	Course Outcome		Attainment Level
Paper VII Literature in English (1550-1750)	CO1	To expose students to the basics of poetry, novel, drama one of the forms of literature.	3 (H)
	CO2	To familiarize them with different types of drama, novel, poetry in English.	
	CO3	To make them understand the literary merit, beauty and creative use of language.	
	CO4	To introduce some advanced units of language so that they become aware of the technical aspects and their practical usage.	
	CO5	To prepare students to go for detailed study and understanding of literature and language.	
	CO6	To develop integrated view about language and literature in them.	
Course	Course Outcome		Attainment Level
Paper VIII Post Colonial Literature	CO1	To expose students to the basics of poetry, novel, drama one of the forms of literature.	3 (H)
	CO2	To familiarize them with different types of drama, novel, poetry in English.	
	CO3	To make them understand the literary merit, beauty and creative use of language.	
	CO4	To introduce some advanced units of language so that they become aware of the technical aspects and their practical usage.	
	CO5	To prepare students to go for detailed study and understanding of literature and language.	
	CO6	To develop integrated view about language and literature in them.	



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Result Analysis

Name of Department : English
Class : B. A. III
Semester : VI
Paper No and Name : Paper XIII Study of English Language
Paper XIV Introduction to literary criticism and terms
Paper XV Introduction to Modern Linguistics in Research
Paper XVI Project
Name of Examination : Mar/April 2023

Sl. No.	Result details		Number of Students			
			Paper IX	Paper X	Paper XI	Paper XVI
1	Admitted		04	04	02	02
2	Appeared		04	04	02	02
3	Passed with percentage	41% - 50.99 %	01	03	02	00
		51% - 59.99 %	01	00	00	00
		60 % and above	00	01	00	02
4	Failed		01	00	00	00
5	Absent		01	00	00	00
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		50.00 %	100 %	100 %	100 %

Attainment of COs

Course	Course Outcome		Attainment Level
Paper X and XIV Introduction to Literary Criticism & Terms	CO1	Students are aware with different critical theory.	3 (H)
	CO2	Students are able to understand literary terms.	
	CO3	Students are acquainted with classical critic and their theories.	
	CO4	Students have knowledge of Tragedy, comedy and tragic comedy.	
	CO5	Students are able to analyze and apply theories on Literature.	
Paper XII and XVI Project Work on History of English Literature	CO1	Students are aware with different Period of Literature.	3 H)
	CO2	Students are able to understand major writer of the period.	
	CO3	Students are acquainted with main features of the period.	
	CO4	Students have knowledge of variety of literature.	
	CO5	This paper give opportunity to students to use his capacity to complete project.	



ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF ECONOMICS

Result Analysis

Name of the department: Economics

Class: B. A. I

Semester: I

Name of the Examination: Oct/Nov2022

Sl. No.	Result Details	Number of Students	
		Paper No. 1 Micro Economics	Paper No. 2 Macro Economics
1	Admitted Students	62	62
2	Appeared students	48	48
3	Grade O Students (Grade Points 10.00)	00	00
4	Grade A++ Students (Grade Points 8.99)	00	00
5	Grade A+ Students (Grade Points 7.99)	00	02
6	Grade A Students (Grade Points 6.99)	00	02
7	Grade B+ Students (Grade Points 5.99)	02	06
8	Grade B Students (Grade Points 5.49)	05	04
9	Grade C+ Students (Grade Points 4.99)	02	06
10	Grade C Students (Grade Points 4.49)	04	07
11	Grade D Students (Grade Points 4.00)	01	03
12	Grade F Students	34	20
13	Absent Students	00	00
14	Total Passing Percentage	29.16 %	58.33 %



Attainment of COs

Course	Course Outcome		Attainment Level
Paper I – Micro Economics	CO1	Student will understand the meaning and scope of the micro economics.	1 (L)
	CO2	They will come to know the concept of Demand and Supply.	
	CO3	Students will understand various market structure like perfect competition and monopoly	
Course	Course Outcome		Attainment Level
Paper II - Macro Economics	CO1	Students will be aware of basic theories in Macro Economics.	2 (M)
	CO2	Student will understand the various concept of National income and also know about the majoring the national income.	
	CO3	Students understand the theory of trade cycle.	



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Result Analysis

Name of the department: Economics

Class: B. A. II

Semester: III

Name of the Examination: Oct/Nov2022

Sl. No.	Result Details		Paper V Macro Economics	Paper VI Development and Planning Economics
1	Admitted Student		25	25
2	Appeared Student		08	08
3	Passed With Percentage	40 % - 50.99 %	00	03
		51 % - 59.99 %	04	01
		Above 60 %	02	02
4	Failed Student		01	01
5	Absent Student		01	01
6	Total Passed Students		06	06
7	Passing Result Percentage		75.00 %	75.00 %



Attainment of Cos

Course	Course Outcome		Attainment Level
Paper V - Macro Economics	CO1	Students will be aware of basic theories in Macro Economics.	3 (H)
	CO2	Student will understand the various concept of National income and also know about the majoring the national income.	
	CO3	Students understand the theory of trade cycle.	
Course	Course Outcome		Attainment Level
Paper VI Development and Planning Economics	CO1	Students will know about the theories of development.	3 (H)
	CO2	Student will understand the various concept of growth model.	
	CO3	Students understand the role of agriculture industry and service sector in economic development.	



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Result Analysis

Name of the department: Economics

Class: B. A. III

Semester: V

Name of the Examination: Oct/Nov2022

Sl. No.	Result Details		Paper IX International Economics	Paper X Agriculture Economics	Paper XI History of Economics Thoughts	Paper XII Project Work
1	Admitted Student		12	12	01	01
2	Appeared Student		12	12	01	01
3	Passed With Percentage	40 % - 50.99 %	10	03	01	01
		51 % - 59.99 %	00	05	00	00
		Above 60 %	01	06	00	00
4	Failed Student		00	00	00	00
5	Absent Student		01	01	00	00
6	Total Passed Students		11	11	01	01
7	Passing Result Percentage		91.66 %	91.66 %	100 %	100 %



Attainment of COs

Course	Course Outcome		Attainment Level
Paper IX - International Economics	CO1	Students will understand the theories of trade.	3 (H)
	CO2	Student will understand the importance of trade and gains from trade.	
	CO3	Students understand the role of balance of payment in International Economics.	
Course	Course Outcome		Attainment Level
Paper X- Agricultural Economics	CO1	Students will know the Importance of Agricultural Economics.	3 (H)
	CO2	Student will understand the various Technologies in Agricultural.	
	CO3	Students understand the role of agriculture in Economics Development since Fifty Year.	
Course	Course Outcome		Attainment Level
Paper XI - History of Economic Thoughts	CO1	Students will know the Mercantilism and Physiocracy.	3 (H)
	CO2	Student will understand the various Theories of Classical Thinkers.	
	CO3	Students understand the Thought of Marshal.	
Course	Course Outcome		Attainment Level
Paper – XII Project Work	CO1	There is 100 marks project work which have to submit and present to the University.	3 (H)
	CO2	It enhanced the research oriented analytical view of student which is beneficial to get job and start business with the practical study of Economics.	



Result Analysis

Name of the department: Economics

Class: B. A. I

Semester: II

Name of the Examination: April/May 2023

Sl. No.	Result Details	Number of Students	
		Paper III	Paper IV
1	Admitted Students	62	62
2	Appeared students	40	40
3	Grade O Students (Grade Points 10.00)	00	00
4	Grade A++ Students (Grade Points 8.99)	00	00
5	Grade A+ Students (Grade Points 7.99)	00	03
6	Grade A Students (Grade Points 6.99)	08	10
7	Grade B+ Students (Grade Points 5.99)	00	01
8	Grade B Students (Grade Points 5.49)	06	09
9	Grade C+ Students (Grade Points 4.99)	11	05
10	Grade C Students (Grade Points 4.49)	03	05
11	Grade D Students (Grade Points 4.00)	03	01
12	Grade F Students	09	06
13	Absent Students	00	00
14	Total Passing Percentage	77.57%	85.00%



Attainment of COs

Course	Course Outcome		Attainment Level
Paper III – Micro Economics	CO1	Student will understand the meaning and scope of the micro economics.	3 (H)
	CO2	They will come to know the concept of Demand and Supply.	
	CO3	Students will understand various market structure like perfect competition and monopoly	
Course	Course Outcome		Attainment Level
Paper IV - Macro Economics	CO1	Students will be aware of basic theories in Macro Economics.	3 (H)
	CO2	Student will understand the various concept of National income and also know about the majoring the national income.	
	CO3	Students understand the theory of trade cycle.	



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Result Analysis

Name of the department: Economics

Class: B. A. II

Semester: IV

Name of the Examination: March/April 2023

Sl. No.	Result Details		Paper VII Public Finance	Paper VIII Statistical Methods
1	Admitted Student		25	25
2	Appeared Student		14	14
3	Passed With Percentage	40 % - 50.99 %	02	03
		51 % - 59.99 %	01	03
		Above 60 %	11	08
4	Failed Student		00	00
5	Absent Student		00	00
6	Total Passed Students		14	14
7	Passing Result Percentage		100 %	100 %



Attainment of Cos

Course	Course Outcome		Attainment Level
Paper VII Public Finance	CO1	Students will know about the various concepts in public finance.	3 (H)
	CO2	Student will understand the concept of public revenue and public expenditure.	
	CO3	Students understand the budget functioning and types of budget.	
Course	Course Outcome		Attainment Level
Paper VIII Statistical Methods	CO1	Students will know about the meaning, nature and scope of statistical methods.	3 (H)
	CO2	Student will be able to solve various problems Mean, Mode and Medium.	
	CO3	Students will be able to understand and solve the problems in Index Number.	



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Result Analysis

Name of the department: Economics

Class: B. A. III

Semester: VI

Name of the Examination: March/April 2023

Sl. No.	Result Details		Paper XIII Research Methodology	Paper XIV Industrial Economics	Paper XV Economy of Maharashtra	Paper XVI Project Work
1	Admitted Student		15	15	01	01
2	Appeared Student		11	11	01	01
3	Passed With Percentage	40 % - 50.99 %	00	01	00	00
		51 % - 59.99 %	01	02	00	00
		Above 60 %	08	06	01	01
4	Failed Student		00	00	00	00
5	Absent Student		02	02	00	00
6	Total Passed Students		09	09	01	01
7	Passing Result Percentage		81.81 %	81.81 %	100 %	100 %



Attainment of Cos

Course	Course Outcome		Attainment Level
Paper-XIII: Research Methodology	CO1	Indian economy is less developed economy because of people is not enough research activities.	3 (H)
	CO2	This paper develops research oriented mind of the students.	
	CO3	If student develop its research it gets jobs in research activities right from local to global institutions.	
Course	Course Outcome		Attainment Level
Paper-XIV: Industrial Economics	CO1	It introduces industrial structure of the economy and progress of industrialization.	3 (H)
	CO2	It aware about the scope of new entrepreneur to enter in industrial establishment.	
Course	Course Outcome		Attainment Level
Paper XV – Economy of Maharashtra	CO1	The students should know the basic features of the economy of Maharashtra.	3 (H)
	CO2	The students should also be able to understand the problems related to agriculture sector in the Maharashtra.	
	CO3	The students should also be able to understand the problems related to cooperative sector in the Maharashtra state.	
Course	Course Outcome		Attainment Level
Paper – XVI Project Work	CO1	There is 100 marks project work which have to submit and present to the University.	3 (H)
	CO2	It enhanced the research oriented analytical view of student which is beneficial to get job and start business with the practical study of Economics.	



ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF HISTORY

Result Analysis

Name of Department : History

Class : B. A. I

Semester : I

Paper No and Name : **Paper I** – Shivaji and His time [1630 – 1707]

Paper II - History of Ancient India [Beginning to 320 A. D.]

Name of Examination: Oct / Nov - 2022

Sl. No.	Result Details	Paper No. 1 Shivaji and His time [1630 – 1707]	Paper No. II History of Ancient India [Beginning to 320 A. D.]
1	Admitted Students	85	85
2	Appeared students	85	85
3	Grade O Students (Grade Points 10.00)	00	00
4	Grade A++ Students (Grade Points 8.99)	00	00
5	Grade A+ Students (Grade Points 7.99)	00	00
6	Grade A Students (Grade Points 6.99)	01	01
7	Grade B+ Students (Grade Points 5.99)	03	02
8	Grade B Students (Grade Points 5.49)	02	07
9	Grade C+ Students (Grade Points 4.99)	02	05
10	Grade C Students (Grade Points 4.49)	06	13
11	Grade D Students (Grade Points 4.00)	03	06
12	Grade F Students	65	51
13	Absent Students	03	03
14	Total Passing Percentage	20 %	40 %



Attainment of COs

Course	Course Outcome		Attainment Level
Paper: I Shivaji and His time (1630-1707)	CO1	Understand the inspiration behind the establishment of swarajya.	1 (L)
	CO2	Know about the administrative need and the importance of grand coronation of Chhatrapati Shivaji.	
	CO3	Asses the Chhatrapati Shivaji invasion on Karnataka.	
	CO4	Explain the reasons behind Chhatrapati Shivaji early conflicts with the regional lords and the outsiders.	
	CO5	Understand the formation of welfare state during the Maratha rule.	
Course	Course Outcome		Attainment Level
Paper No. II History of Ancient India [Beginning to 320 A. D.]	CO1	Perceive various sources to study of Ancient India.	1 (L)
	CO2	Know about the development and the achievements of man in the Stone Age.	
	CO3	Understand the glory of Indian history in the age of Harappa civilization.	
	CO4	Comprehend the history of Vedic period.	
	CO5	Understand the philosophy of Jainism and Buddhism.	
	CO6	Perceive influence of political support on religion.	



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Result Analysis

Name of Department : History

Class : B. A. II

Semester : III

Paper No and Name : Paper V – History of Early India (Up to 300 B. C.)

Paper VI - History of Delhi Sultanate (A. D. 1200 – A. D. 1526)

Name of Examination: Oct / Nov - 2022

Sr. No.	Result details		Paper V – History of Early India (Up to 300 B. C.)	Paper VI: History of Delhi Sultanate (A. D. 1200 – A. D. 1526)
1	Admitted		57	57
2	Appeared		57	57
3	Passed with percentage	41-50.99 %	29	26
		51-59.99 %	12	05
		60 % and above	08	13
4	Failed		04	08
5	Absent		04	05
6	Total passing %		85.96 %	77.19 %



Attainment of Cos

Course	Course Outcome		Attainment Level
Paper - V History of Early India (up to 300 BC)	CO1	Identify the various types of sources of Ancient India History.	3 (H)
	CO2	Identify the importance and the legally of Vedic period.	
	CO3	Know about the political Development in India during Maurya Empire.	
	CO4	Comprehend the history of Vedic period	
Course	Course Outcome		Attainment Level
Paper - VI History of Delhi Sultanate (1200 – 1526)	CO1	Understand early difficulties of Sultan's in India.	3 (H)
	CO2	Know about the political and administration of the saltant rul	
	CO3	Identify the developments and unique legacy of Art and Architecture during the saltant period.	
	CO4	Understand the aspects of fiscals and Monetary system under the sultanate	



Result Analysis

Name of Department : History

Class : B. A. III

Semester : V

Paper No and Name : Paper IX – Historiography

Paper X: History of Indian National Movement

(A. D. 1885 – A. D. 1947)

Paper XI – Women Struggle in Modern India

Paper – XII Project work

Name of Examination: Oct / Nov – 2022

Sr. No.	Result details		Paper IX – Historiography	Paper X: History of Indian National Movement (A. D. 1885 – A. D. 1947)	Paper XI – Women Struggle in Modern India
1	Admitted		41	41	20
2	Appeared		41	41	20
3	Passed with percentage	41-50.99 %	18	22	07
		51-59.99 %	07	05	07
		60 % and above	09	04	04
4	Failed		06	09	02
5	Absent		01	01	00
6	Total passing %		82.92 %	75.60 %	90.00 %



Attainment of Cos

Course	Course Outcome		Attainment Level
Paper - IX Historiography	CO1	Identify the meaning Nature and scope of History	3 (H)
	CO2	Grasp the details of various types of sources and It's importance in History writing	
	CO3	Understand about the Research process in Historical research	
	CO4	Critically analyze the process of Development of Historiography since ancient times to modern times	
Course	Course Outcome		Attainment Level
Paper - X History of Indian National Movement (1885 – 1947)	CO1	Identify the Indian National Movement to Modern Indian time.	3 (H)
	CO2	Understand the events which lend to the growth of Nationalism in India.	
	CO3	Acquaint himself with major events of the freedom struggle under the leadership of Mahatma Gandhi	
	CO4	Explain the contribution of Revolutionaries, left, Movement and India National Army	
Course	Course Outcome		Attainment Level
Paper - XI Women's struggle in Modern India	CO1	Identify the major issues and conception of Women's problems in 19 th century in India	3 (H)
	CO2	Identify the child Marriage, Sati, Tradition in India.	
	CO3	Understand the struggle for Women's education India	
	CO4	Understand the Women's and Social struggle in India.	
	CO5	Understand Women's law in India.	



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Result Analysis

Name of Department : History

Class : B. A. I

Semester : II

Paper No and Name : Paper III History of Maratha

Paper IV History of Ancient India (A. D. 320 to A. D. 1206)

Name of Examination: April / May - 2023

Sl. No.	Result Details	Paper III History of Maratha	Paper IV History of Ancient India (A. D. 320 to A. D. 1206)
1	Admitted Students	66	66
2	Appeared students	66	66
3	Grade O Students (Grade Points 10.00)	00	00
4	Grade A++ Students (Grade Points 8.99)	00	00
5	Grade A+ Students (Grade Points 7.99)	1	00
6	Grade A Students (Grade Points 6.99)	3	00
7	Grade B+ Students (Grade Points 5.99)	2	00
8	Grade B Students (Grade Points 5.49)	11	1
9	Grade C+ Students (Grade Points 4.99)	5	1
10	Grade C Students (Grade Points 4.49)	5	8
11	Grade D Students (Grade Points 4.00)	6	3
12	Grade F Students	33	52
13	Absent Students	00	00
14	Total Passing Percentage	50%	19.69%



Attainment of Cos

Course	Course Outcome		Attainment Level
Paper III History of Maratha	CO1	Understand the importance of the Maratha history in 18th century.	2 (M)
	CO2	Understand the political scenario of the Maratha power in the early 18th century.	
	CO3	Understand the policies adopted by early Peshwas,	
	CO4	Explain the circumstances of the Maratha power after the battle of Panipat.	
		Understand the Third Battle of Panipat.	
Course	Course Outcome		Attainment Level
Paper IV History of Ancient India (A. D. 320 to A. D. 1206)	CO1	Students got knowledge about various dynasties ex. Gupta, Vakataka, Vardhan, Chalukya, Rashtarakutas, Chalukyas of kalyani.	1 (L)
	CO2	When students doing study of ancient Indian history, they that times original culture, religion and society.	
	CO3	Students capable for discuss any social issue.	
	CO4	From this segment of the syllabus, students are aware about the history of Ancient India from 320 A.D.to 1206 A. D.	
	CO5	Students get understand the political, social, religious and economical condition of Ancient Indian History.	



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Result Analysis

Name of Department : History

Class : B. A. II

Semester : IV

Paper No and Name : Paper VII – History of India (B. C. 300 – B. C. 650)

Paper VIII – History of Mughal India (A. D. 1526 – A. D. 1757)

Name of Examination: April / May - 2023

Sr. No.	Result details		Paper VII – History of India (B. C. 300 – B. C. 650)	Paper VIII – History of Mughal India (A. D. 1526 – A. D. 1757)
1	Admitted		37	37
2	Appeared		37	37
3	Passed with percentage	41-50.99 %	15	12
		51-59.99 %	04	05
		60 % and above	02	09
4	Failed		14	09
5	Absent		02	02
6	Total passing %		56.75 %	70.27 %



Attainment of Cos

Course	Course Outcome		Attainment Level
Paper VII – History of India (B. C. 300 – B. C. 650)	CO1	Perceive about the political Development in India during saks, kushans, Satvahana and Gupta Empire.	2 (M)
	CO2	Understand about the political Development in India during vardhan, Dynasty and Vakatak Empire.	
	CO3	Understand the about the caves,temples, penting and fabric that period.	
	CO4	Understand the about sources material for the study literary and Archaeological.	
Course	Course Outcome		Attainment Level
Paper VIII – History of Mughal India (A. D. 1526 – A. D. 1757)	CO1	Understand the administrative set up of Mughals.	3 (H)
	CO2	Grasp the some aspects of fiscals and Monetary system of Mughals.	
	CO3	Understand the about the Establishment of Mughals Empire in Indian under the leadership of Babare.	
	CO4	Understand about the importance and development in Administrative system during the Mughal period.	



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Result Analysis

Name of Department : History

Class : B. A. III

Semester : VI

Paper No and Name : Paper XIII – Field of History (Archaeology, Museology and Tourism)

Paper XIV - Landmark in the History of Modern World

Paper XV – History of Marathwada

Paper XII & XVI – Project Work

Name of Examination: April / May – 2023

Sr. No.	Result details		Paper XIII Fields of History (Archaeology, Museology and Tourism)	Paper XIV Landmark in the History of Modern World	Paper XV – History of Marathwada	Paper XII & XVI – Project Work
1	Admitted		42	42	17	17
2	Appeared		42	42	17	17
3	Passed with percentage	41-50.99 %	10	19	09	00
		51-59.99 %	12	12	06	00
		60 % and above	17	08	00	16
4	Failed		00	00	01	00
5	Absent		03	03	01	01
6	Total passing %		92.85 %	92.85 %	88.23 %	94.11 %



Attainment of Cos

Course	Course Outcome		Attainment Level
Paper XIII – Field of History (Archaeology, Museology and Tourism)	CO1	Know about the meaning and object Archaeology and material science A brief History of Indian.	3 (H)
	CO2	Apply the theory of Historicism as a professional skill in various fields of intellect	
	CO3	Acquire basic knowledge of history in various carriers i.e. museum, historical, tourism conservation and preservation.	
	CO4	Understand about the Historical Tourism and It's importance in grasping historical facts.	
Course	Course Outcome		Attainment Level
Paper - XIV Landmark in the History of Modern World	CO1	Understand about the New Imperialism of world countries.	3 (H)
	CO2	Grasp about the French Revolution in France.	
	CO3	Grasp about the Industrial Revolution in England.	
	CO4	Grasp about the second World war	
Course	Course Outcome		Attainment Level
Paper - XV History of Marathwada	CO1	Understand political History of Marathwada: A brief survey.	3 (H)
	CO2	Understand Art and Architecture, Temple, Architecture Forts in Marathwada.	
	CO3	Socio –Economical and cultural History of under the Nizam state in in Marathwada	
	CO4	Understand Hyderabad freedom struggle role of all India scheduled cast federation in Hyderabad freedom struggle	
Course	Course Outcome		Attainment Level
Semester V Paper – XVI Project work	CO1	Students get information about Forts.	3 (H)
	CO2	Students get information about Caves.	
	CO3	Student understands local history.	
	CO4	Students get information about historical coins.	
	CO5	Students get information about museums, saints, Social workers, Inscriptions, Peasant movement, Hyderabad freedom struggle etc.	



ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF POLITICS

Result Analysis

Name of the department: Political Science

Class: B. A. I

Semester: I

Paper No. and Name: Paper I Principles of Political Science

Paper II Indian Government and Politics

Name of Examination: Oct / Nov 2022

Sl. No.	Result Details	Paper I Principles of Political Science	Paper II Indian Government and Politics
1	Admitted Students	82	82
2	Appeared students	82	82
3	Grade O Students (Grade Points 10.00)	00	00
4	Grade A++ Students (Grade Points 8.99)	00	00
5	Grade A+ Students (Grade Points 7.99)	02	00
6	Grade A Students (Grade Points 6.99)	01	04
7	Grade B+ Students (Grade Points 5.99)	03	05
8	Grade B Students (Grade Points 5.49)	17	18
9	Grade C+ Students (Grade Points 4.99)	05	02
10	Grade C Students (Grade Points 4.49)	07	03
11	Grade D Students (Grade Points 4.00)	05	05
12	Grade F Students	42	45
13	Absent Students	00	00
14	Total Passing Percentage	48.78 %	45.12 %



Attainment of COs

Course	Course Outcome		Attainment Level
Paper I Principles of Political Science	CO1	Students will understand and explain the basic concepts in Political Science.	1 (L)
	CO2	Students will be able to criticize present political system by using the political ideas.	
	CO3	Students will know different political system and understand the importance of democracy.	
	CO4	Developed the student's personality as a responsible citizen.	
Course	Course Outcome		Attainment Level
Paper II Indian Government and Politics	CO1	Student will understand the structure, nature and system of the Government and Politics of India.	1 (L)
	CO2	Student will understand the basic structure and various features of the Indian Constitution.	
	CO3	Student will understand various provisions in the Indian constitution about fundamental rights, duties of the citizens and directive principles of the state policy.	
	CO4	Student will become aware of secularism, liberty, fraternity, equality, justice and brotherhood.	
	CO5	Student will understand the relation between center and state government in India.	
	CO6	Student will well be acquainted with the structure and function of the Judiciary in India.	
	CO7	Student will become aware about the party politics in India.	



Result Analysis

Name of the department: Political Science

Class: B. A. II

Semester: III

Paper No. and Name: Paper V Government and Politics of Maharashtra

Paper VI Theories of International Relations

Name of Examination: Oct / Nov 2022

Sl. No.	Result Details	Paper V Government and Politics of Maharashtra	Paper VI Theories of International Relations
1	Admitted Students		
2	Appeared students	35	35
3	Passed with Percentage		
	40 % - 50.99 %	16	07
	51 % - 59.99 %	03	09
	60 % and above	10	07
4	Failed students	02	08
5	Absent Students	04	04
6	Total Passing Percentage	82.85 %	65.71 %

Attainment of COs

Course	Course Outcome		Attainment Level
Paper V Government and Politics of Maharashtra	CO1	Student will get information about the reformation of state and about Sanyukta Maharashtra Movement.	3 (H)
	CO2	Student will understand the rules, regulations, structure and nature of Maharashtra Government and Political System.	
	CO3	Student will understand various constitutional rights and duties of the Citizen of India.	
	CO4	Student will understand the structure and system of the Local Self Governance of Maharashtra.	
	CO5	Student will get acquainted with the different social, political, peasant, cooperative and feminist movement.	
Course	Course Outcome		Attainment Level
Paper VI Theories of International Relations	CO1	Student will be able to understand and explain the concepts in international politics.	3 (H)
	CO2	The awareness will be created among the students about the changing nature of the international relations.	
	CO3	Student will integrate with international current issues and become sensitive and increase his analytical ability.	
	CO4	Student will get information about the international and regional organizations and will become aware about the international politics.	



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Result Analysis

Name of the department: Political Science

Class: B. A. III

Semester: V

Paper No. and Name: Paper IX Political Ideology

Paper X Indian Political Thinkers

Paper XI Western Political Thinkers

Name of Examination: Oct / Nov 2022

Sl. No.	Result Details	Paper IX Political Ideology	Paper X Indian Political Thinkers	Paper XI Western Political Thinkers
1	Admitted Students			
2	Appeared students	19	42	42
3	Passed with Percentage	40 % - 50.99 %	05	20
		51 % - 59.99 %	08	16
		60 % and above	01	05
4	Failed students	04	01	17
5	Absent Students	01	00	00
6	Total Passing Percentage	77.77 %	97.66 %	59.52 %

Attainment of Cos

Course	Course Outcome		Attainment Level
Paper IX Political Ideology	CO1	Student will be able to understand and explain the political ideologies and ideas which are broadly considered as political creeds usually termed, Political Ideology.	3 (H)
	CO2	Student will compare and contrast between various Political Ideologies.	
	CO3	Student will understand the different aspects of traditional and contemporary Ideologies.	
Course	Course Outcome		Attainment Level
Paper X Indian Political Thinkers	CO1	Student will get the information about the work and thoughts of Indian Political Thinkers.	3 (H)
	CO2	Student will be able to express their thoughts and ideas regarding the contents.	
	CO3	Student will get inculcated by the thoughts of political thinkers.	
Course	Course Outcome		Attainment Level
Paper XI Western Political Thinkers	CO1	Student will understand the contribution in Political Science of the western thinkers.	3 (H)
	CO2	Student will be familiarized with basic concepts generated by the western political thinkers.	
	CO3	Student will get inculcated by the thoughts of western political thinkers.	
	CO4	Student will compare and contrast between Indian and Western Political Thinkers.	



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Result Analysis

Name of the department: Political Science

Class: B. A. I

Semester: II

Paper No. and Name:

Name of Examination: March / April 2023

Sl. No.	Result Details	Paper I	Paper II
1	Admitted Students	69	69
2	Appeared students	69	69
3	Grade O Students (Grade Points 10.00)	00	00
4	Grade A++ Students (Grade Points 8.99)	00	00
5	Grade A+ Students (Grade Points 7.99)	02	05
6	Grade A Students (Grade Points 6.99)	04	08
7	Grade B+ Students (Grade Points 5.99)	03	05
8	Grade B Students (Grade Points 5.49)	11	09
9	Grade C+ Students (Grade Points 4.99)	07	04
10	Grade C Students (Grade Points 4.49)	07	06
11	Grade D Students (Grade Points 4.00)	02	03
12	Grade F Students	31	29
13	Absent Students	00	00
14	Total Passing Percentage	55.07%	57.97%



Attainment of COs

Course	Course Outcome		Attainment Level
Paper III Principles of Political Science	CO1	Students will understand and explain the basic concepts in Political Science.	2 (M)
	CO2	Students will be able to criticize present political system by using the political ideas.	
	CO3	Students will know different political system and understand the importance of democracy.	
	CO4	Developed the student's personality as a responsible citizen.	
Course	Course Outcome		Attainment Level
Paper IV Indian Government and Politics	CO1	Student will understand the structure, nature and system of the Government and Politics of India.	2 (M)
	CO2	Student will understand the basic structure and various features of the Indian Constitution.	
	CO3	Student will understand various provisions in the Indian constitution about fundamental rights, duties of the citizens and directive principles of the state policy.	
	CO4	Student will become aware of secularism, liberty, fraternity, equality, justice and brotherhood.	
	CO5	Student will understand the relation between center and state government in India.	
	CO6	Student will well be acquainted with the structure and function of the Judiciary in India.	
	CO7	Student will become aware about the party politics in India.	



Result Analysis

Name of the department: Political Science

Class: B. A. II

Semester: IV

Paper No. and Name: Paper VII Government and Politics of Maharashtra

Paper VIII Theories of International Relations

Name of Examination: Mar / Apr 2023

Sl. No.	Result Details	Paper VII Government and Politics of Maharashtra	Paper VIII Theories of International Relations
1	Admitted Students		
2	Appeared students	35	35
3	Passed with Percentage	40 % - 50.99 %	18
		51 % - 59.99 %	06
		60 % and above	03
4	Failed students	06	02
5	Absent Students	02	02
6	Total Passing Percentage	77.14 %	88.57 %

Attainment of COs

Course	Course Outcome		Attainment Level
Paper VII Government and Politics of Maharashtra	CO1	Student will get information about the reformation of state and about Sanyukta Maharashtra Movement.	3 (H)
	CO2	Student will understand the rules, regulations, structure and nature of Maharashtra Government and Political System.	
	CO3	Student will understand various constitutional rights and duties of the Citizen of India.	
	CO4	Student will understand the structure and system of the Local Self Governance of Maharashtra.	
	CO5	Student will get acquainted with the different social, political, peasant, cooperative and feminist movement.	
Course	Course Outcome		Attainment Level
Paper VIII Theories of International Relations	CO1	Student will be able to understand and explain the concepts in international politics.	3 (H)
	CO2	The awareness will be created among the students about the changing nature of the international relations.	
	CO3	Student will integrate with international current issues and become sensitive and increase his analytical ability.	
	CO4	Student will get information about the international and regional organizations and will become aware about the international politics.	



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Result Analysis

Name of the department: Political Science

Class: B. A. III

Semester: VI

Paper No. and Name: Paper XII Political Ideology

Paper XIII Indian Political Thinkers

Paper XVI Western Political Thinkers

Paper XV and XVI Project

Name of Examination: Mar / Apr 2023

Sl. No.	Result Details		Paper XII Political Ideology	Paper XIII Indian Political Thinkers	Paper XVI Western Political Thinkers	Paper XV and XVI Project
1	Admitted Students					
2	Appeared students		14	40	40	14
3	Passed with Percentage	40 % - 50.99 %	06	06	22	00
		51 % - 59.99 %	06	13	12	00
		60 % and above	02	18	13	11
4	Failed students		00	00	02	00
5	Absent Students		01	03	03	03
6	Total Passing Percentage		92.85 %	92.50%	87.50 %	78.57 %



Attainment of Cos

Course	Course Outcome		Attainment Level
Paper XII Political Ideology	CO1	Student will be able to understand and explain the political ideologies and ideas which are broadly considered as political creeds usually termed, Political Ideology.	3 (H)
	CO2	Student will compare and contrast between various Political Ideologies.	
	CO3	Student will understand the different aspects of traditional and contemporary Ideologies.	
Course	Course Outcome		Attainment Level
Paper XIII Indian Political Thinkers	CO1	Student will get the information about the work and thoughts of Indian Political Thinkers.	3 (H)
	CO2	Student will be able to express their thoughts and ideas regarding the contents.	
	CO3	Student will get inculcated by the thoughts of political thinkers.	
Course	Course Outcome		Attainment Level
Paper XIV Western Political Thinkers	CO1	Student will understand the contribution in Political Science of the western thinkers.	3 (H)
	CO2	Student will be familiarized with basic concepts generated by the western political thinkers.	
	CO3	Student will get inculcated by the thoughts of western political thinkers.	
	CO4	Student will compare and contrast between Indian and Western Political Thinkers.	
Course	Course Outcome		Attainment Level
Paper XV and XVI Project	CO1	Students will study at their own by selecting topic related to Contemporary Social and political issues.	3 (H)
	CO2	Student will be able to understand the basic concepts of Research Methodology.	
	CO3	The awareness will be created among the students about the latest and scientific techniques of research.	
	CO4	Student will be able to write a project report in scientific manner.	



ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF MATHEMATICS

Result Analysis			
Name of the Department		:	Mathematics
Class		:	B. Sc. I
Semester		:	I
Paper Number and Name		:	MAT 101 Geometry MAT 102 Differential Calculus
Name of Examination		:	Oct/Nov 2022
Sl. No.	Result Details	Number of Students	
		Paper I	Paper II
		Geometry	Differential Calculus
1	Admitted Students	20	20
2	Appeared students	20	20
3	Grade O Students (Grade Points 10.00)	0	0
4	Grade A++ Students (Grade Points 8.99)	0	0
5	Grade A+ Students (Grade Points 7.99)	0	0
6	Grade A Students (Grade Points 6.99)	1	2
7	Grade B+ Students (Grade Points 5.99)	2	4
8	Grade B Students (Grade Points 5.49)	3	7
9	Grade C+ Students (Grade Points 4.99)	5	5
10	Grade C Students (Grade Points 4.49)	1	1
11	Grade D Students (Grade Points 4.00)	1	1
12	Grade F Students	7	0
13	Absent Students	0	0
14	Total Passing Percentage	65%	100%



Attainment of Course Outcomes (COs) for B. Sc. I

CL – Cognitive Level: K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

KC – Knowledge Category: C – Conceptual, P – Procedural

Course	Course Outcome		PSO	CL	KC	Attainment Level of COs
MAT 101 Geometry	CO1	Recognize and find the equation of a plane satisfying given conditions	PSO4	K, S	C	3 (H)
	CO2	Find the equation of the plane in a given system	PSO4	K	P	
	CO3	Find the distances between two geometric objects like a point and a plane, a line and a plane etc.	PSO4	K, AP	P	
	CO4	Find the angle between two lines and two planes	PSO4	K, C	P	
	CO5	Find the equation of a straight line satisfying the given conditions	PSO4	AP	P	
	CO6	Understand the co-planarity of two lines	PSO4	K	C	
	CO7	Recognize the various forms of equation of a sphere and find the equation of a sphere under given conditions and calculate its centre and radius	PSO4	K, E	C	
	CO8	Differentiate between the central conicoids and find their equations under given conditions	PSO4	E	C	
	CO9	Check the condition tangency of a plane to sphere, cone, cylinder and conicoid, find the equation of the tangent plane and find the point of contact	PSO4	K, E	C	



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Course	Course Outcome		PSO	CL	KC	Attainment Level of COs
MAT 102 Differential Calculus	CO1	Understand the geometrical interpretation of derivative of a function	PSO1, PSO11	K	C	3 (H)
	CO2	Find the derivatives of hyperbolic functions and implicit functions	PSO1	AP, S	P	
	CO3	Find the n^{th} derivative of standard functions and solve problems on the same	PSO1	AP, S	P	
	CO4	Find the value of n^{th} derivative at a particular point	PSO1	AP	P	
	CO5	State and prove mean value theorems	PSO1, PSO11	K, C	P	
	CO6	Apply mean value theorems to find nature of graphs of the functions and approximate values	PSO1	AP, AN	P	
	CO7	Understand the partial differentiation and its rules	PSO1, PSO11	K	C	
	CO8	Understand and solve problems on Euler's theorem on homogeneous functions	PSO1	K, AP	C	
	CO9	Find and apply the directional derivatives of scalar and vector point functions	PSO1	C, AP	P	
	CO10	Solve problems on divergence, curl and gradient	PSO1	AP	P	



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Result Analysis					
Name of the Department		:	Mathematics		
Class		:	B. Sc. II		
Semester		:	III		
Paper Number and Name		:	MAT 301 Number Theory MAT 302 Integral Transforms MAT 303 Mechanics I		
Name of Examination		:	Oct/Nov 2022		
Sl. No.	Result details		Number of Students		
			Paper I	Paper II	Paper III
1	Admitted		23	23	23
2	Appeared		23	23	23
3	Passed with percentage	41% - 50.99 %	7	10	3
		51% - 59.99 %	4	6	2
		60 % and above	12	4	17
4	Failed		0	3	1
5	Absent		0	0	0
6	Total passing percentage		100.00%	86.95%	82.6%



Attainment of Outcomes

Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 301 Number Theory	CO1	Solve numerical using division algorithm	PSO5, PSO6	AP	P	3 (H)
	CO2	Find the greatest common divisor of sufficiently large numbers using Euclidean algorithm	PSO5, PSO6	AP	P	
	CO3	Recognize a solvability and obtain all the solutions of a Diophantine equation	PSO5, PSO6	K, E	P	
	CO4	State and prove the fundamental theorem of arithmetic	PSO5, PSO6	C	C	
	CO5	Understand the use of congruence theory and solve problems on Chinese remainder theorem	PSO5, PSO6	K	C	
	CO6	Find the values of number theoretic functions	PSO5, PSO6	K	C	
	CO7	Understand the properties of the number theoretic functions	PSO5, PSO6	K	C	
	CO8	Understand the relations among the number theoretic functions	PSO5, PSO6	K	K	

Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 302 Integral Transforms	CO1	Define Beta and Gamma functions and represent them in different forms	PSO7, PSO11	K	K	3 (H)
	CO2	Apply properties of Laplace transforms to evaluate Laplace transforms of standard functions	PSO7	AP	P	
	CO3	Apply properties of inverse Laplace transforms to evaluate inverse Laplace transform of standard functions	PSO7	AP	P	
	CO4	Apply Laplace transforms and inverse Laplace transforms to solve linear ordinary differential equations	PSO7	AP	P	
	CO5	Define Fourier transforms and find Fourier transforms of standard functions	PSO7	K	K	



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Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 303 Mechanics I	CO1	Find the resultant of any number of forces acting on a particle	PSO9	K	P	3 (H)
	CO2	Find the resolved parts of forces acting on a particle and solve numerical on the same	PSO9	K	P	
	CO3	State the condition of equilibrium of two forces acting on a particle	PSO9	C	C	
	CO4	State the necessary and sufficient condition for any number of forces to in equilibrium	PSO9	C	C	
	CO5	Define the moment of force and find the same for parallel forces and couples	PSO9	K	C	
	CO6	Solve the problems on moment of force	PSO9	AP	P	
	CO7	Define and find the centre of gravity of some uniform bodies	PSO9	K	C	
	CO8	Solve simple problems on centre of gravity	PSO9	AP	P	



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Result Analysis		
Name of the Department	:	Mathematics
Class	:	B. Sc. III
Semester	:	V
Paper Number and Name	:	MAT 501 Real Analysis I MAT 502 Abstract Algebra I MAT 504 ODE I
Name of Examination	:	Oct/Nov 2022

Sl. No.	Result details		Number of Students		
			Paper I	Paper II	Paper III
1	Admitted		24	24	24
2	Appeared		24	24	24
3	Passed with percentage	41% - 50.99 %	9	9	5
		51% - 59.99 %	6	9	5
		60 % and above	3	6	14
4	Failed		6	0	0
5	Absent		0	0	0
6	Total passing percentage		75.00%	100.00%	100%



Attainment of Outcomes

Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 501 Real Analysis I	CO1	Understand the basic notion sets and its elements and able to decide whether an element is in a given set or not, also find the least upper bound for a given set, if it exists	PSO10	K	C	3 (H)
	CO2	Perform various operations on sets	PSO10	C	P	
	CO3	Define real valued functions, one to one correspondence between two sets	PSO10	K	C	
	CO4	Recognize convergence and divergence of a sequence and compute the limit of convergent sequence	PSO10, PSO11	E	C	
	CO5	Explain properties of monotone sequences, bounded sequences and results on these sequences	PSO10	C	C	
	CO6	Define and understand Cauchy criterion	PSO10, PSO11	K	C	
	CO7	Define and compute convergence and divergence of series of real numbers	PSO10, PSO11	K, C	C	
	CO8	Apply tests for absolute convergence on a given series	PSO10	AP	P	
	CO9	Compute Jacobian of given functions using the properties of Jacobians	PSO10	K	C	
	CO10	State and prove the necessary and sufficient condition to vanish	PSO10, PSO11	K, C	C	
	CO11	Understand the functional dependence and find the relation among the dependent functions	PSO10	K, AP	C	



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Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 502 Abstract Algebra I	CO1	Define sets, mappings and integers and understand the properties of them	PSO11	K	C	3 (H)
	CO2	Define groups and provide examples of the groups	PSO11	K	C	
	CO3	State and prove some standard results derived from the definition of group	PSO11	C	C	
	CO4	Define subgroups and understand the criteria to be satisfied by the subgroups	PSO11	K	C	
	CO5	Prove that a given mapping between two groups is homomorphism and automorphism	PSO11	C	C	
	CO6	Define normal subgroups and quotient groups and demonstrate their properties	PSO11	K	C	
	CO7	Define rings and derive its elementary properties	PSO11	K	C	
	CO8	Derive results on ideals, quotient rings	PSO11	C, AP	P	

Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 303 Ordinary Differential Equations I	CO1	Define complex numbers and understand its algebra and geometric representation	PSO3	K	C	3 (H)
	CO2	Define functions, polynomials, complex series, exponential functions and determinants and state their properties	PSO3	K	C	
	CO3	State and prove existence and uniqueness theorem for the solution of first order homogeneous and non homogeneous differential equation	PSO3	C, AN	C, P	
	CO4	Define linear differential equation of higher order	PSO3	K	C	
	CO5	State and prove existence and uniqueness of solution of second order linear differential equation with constant coefficients	PSO3	K, C	C	
	CO6	Define initial value problem for second order linear differential equation	PSO3	K	C	
	CO7	Define linear dependence and independence of functions and verify the same using Wronskian	PSO3	K	C	



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Result Analysis			
Name of the Department		:	Mathematics
Class		:	B. Sc. I
Semester		:	II
Paper Number and Name		:	MAT 201 Number Theory MAT 202 Integral Calculus
Name of Examination		:	March/April 2023
Sl. No.	Result Details	Number of Students	
		Paper III	Paper IV
		Number Theory	Integral Calculus
1	Admitted Students	23	23
2	Appeared students	23	23
3	Grade O Students (Grade Points 10.00)	0	0
4	Grade A++ Students (Grade Points 8.99)	0	4
5	Grade A+ Students (Grade Points 7.99)	2	7
6	Grade A Students (Grade Points 6.99)	13	10
7	Grade B+ Students (Grade Points 5.99)	6	1
8	Grade B Students (Grade Points 5.49)	2	1
9	Grade C+ Students (Grade Points 4.99)	0	0
10	Grade C Students (Grade Points 4.49)	0	0
11	Grade D Students (Grade Points 4.00)	0	0
12	Grade F Students	0	0
13	Absent Students	0	0
14	Total Passing Percentage	100%	100%



Attainment of Outcomes

Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 201 Number Theory	CO1	Understand and recall division algorithm statement.	PSO3	K, C, E	P	3 (H)
	CO2	Reproduce and prove properties of prime integers.	PSO3	K, E	P	
	CO3	Find greatest common divisor of any two integers and solve Diophantine equations.	PSO3	AP	P	
	CO4	Apply congruences to solve problems and prove important properties of integers.	PSO3	S	P	
	CO5	Define and evaluate number theoretic functions for integers.	PSO3	AP	P	
	CO6	Prove the properties of number theoretic functions.	PSO3	AP	P	

Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 202 Integral Calculus	CO1	Understand the meaning of integration as a limit of a sum	PSO2, PSO11	K	C	3 (H)
	CO2	Derive reduction formulae and use them to solve particular integrals	PSO2	S	P	
	CO3	Integrate the rational functions	PSO2	K, AP	P	
	CO4	Integrate trigonometric functions with integer power	PSO2	AP	P	
	CO5	Apply integration to find area of a random region (formed by a curve and two coordinate axes)	PSO2	C, AP	P	
	CO6	Apply integration to find the length of a curve between two points	PSO2	C, AP	P	



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Result Analysis					
Name of the Department		:	Mathematics		
Class		:	B. Sc. II		
Semester		:	IV		
Paper Number and Name		:	MAT 401 Numerical Methods MAT 402 PDE MAT 403 Mechanics II		
Name of Examination		:	March/April 2023		
Sl. No.	Result details		Number of Students		
			Paper I	Paper II	Paper III
1	Admitted		17	17	17
2	Appeared		16	16	16
3	Passed with percentage	41% - 50.99 %	5	11	0
		51% - 59.99 %	6	4	2
		60 % and above	4	1	14
4	Failed		0	0	0
5	Absent		1	1	1
6	Total passing percentage		94.11%	94.11%	94.11%



Attainment of Outcomes

Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 401 Numerical Methods	CO1	Obtain the approximate solution of a linear and transcendental equation up to a desired accuracy	PSO7	C	C	3 (H)
	CO2	Understand the differences and apply interpolation formulae to solve problems	PSO7	K	C	
	CO3	Apply approximate linear or non-linear function that fits a given data	PSO7	AP	P	
	CO4	Apply numerical methods of linear algebra in real life problems	PSO7	AP	P	
	CO5	Obtain an approximate solution to differential equations whose analytic solution is not known	PSO7	C	P	
Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 402 Partial Differential Equations	CO1	Form a partial differential equation by eliminating arbitrary constants and arbitrary function	PSO3	S	P	3 (H)
	CO2	Define, recognize and solve Lagrange's partial differential equation.	PSO3	K, E, AP	C	
	CO3	Understand five standard forms of non linear partial differential equation and use Charpit's method and Jacobi's method to solve a non linear partial differential equation	PSO3	K	C	
	CO4	Solve linear and non linear partial differential equations of homogeneous type	PSO3	AP	P	
	CO5	Solve second order partial differential equation by Monge's method	PSO3	AP	P	
Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 403 Mechanics II	CO1	Understand the difference between kinematics and kinetics of a particle. Find the Cartesian components, tangential and normal components and radial and transverse components of velocity and acceleration	PSO9	K, C	C	3 (H)
	CO2	Understand the laws of conservation of momentum and energy, work done in conservation and non conservative field of force	PSO9	K	C	
	CO3	To apply the knowledge of motion in non-resisting and resisting medium of projectile in practical situations	PSO9	AP	P	
	CO4	To find the maximum range, time of flight and maximum height attained by a projectile	PSO9	C	P	
	CO5	Understand the equation of central orbit and pedal equations of standard curves	PSO9	K	C	



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Result Analysis					
Name of the Department		:	Mathematics		
Class		:	B. Sc. III		
Semester		:	VI		
Paper Number and Name		:	MAT 601 Real Analysis II MAT 602 Abstract Algebra II MAT 604 ODE II		
Name of Examination		:	March/April 2023		
Sl. No.	Result details		Number of Students		
			Paper I	Paper II	Paper III
1	Admitted		26	26	26
2	Appeared		26	26	26
3	Passed with percentage	41% - 50.99 %	2	3	4
		51% - 59.99 %	9	17	13
		60 % and above	15	6	9
4	Failed		0	0	0
5	Absent		0	0	0
6	Total passing percentage		100%	100%	100%



Attainment of Outcomes

Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 601 Real Analysis II	CO1	Understand the of distance between two abstract notions like distance between two sequences, prove a given space is metric space, extend the continuity of a function to a general metric space, formulate continuity in terms of open and closed sets	PSO10, PSO11	K, C, AP	C	3 (H)
	CO2	Understand and recognize the connectedness, completeness and compactness of a given metric space, check the continuity on these metric spaces	PSO10, PSO11	K, AN	C	
	CO3	Understand the concept of Riemann integration, recognize the Riemann integrable functions and evaluate the integration of such functions, prove the fundamental theorems of integral calculus	PSO10	K, E	C	
	CO4	Define which functions may be expanded as Fourier series and find the Fourier series of such functions, deduce the convergence of some important series using Fourier series	PSO10	K, AP	C	

Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 602 Abstract Algebra II	CO1	Define and give some important examples of vector spaces and subspaces	PSO11	K	C	3 (H)
	CO2	Prove elementary deductions from the definition of vector space	PSO11	C	P	
	CO3	Understand and prove linear dependence and independence of a set	PSO11	K	C	
	CO4	Prove theorems on linear dependence and independence	PSO11	C	P	
	CO5	Define linear span of a vector space and basis	PSO11	K	C	
	CO6	Define dual space and inner product space	PSO11	K	C	
	CO7	Define and prove results in modules	PSO11	K, C	C	



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Course	Course Outcome		PSO	CL	KC	Attainment Level
MAT 604 Ordinary Differential Equations II	CO1	Define initial value problem for homogeneous differential equation	PSO3	K	C	3 (H)
	CO2	Solve initial value problem	PSO3	AP	P	
	CO3	Prove linear independence of functions by using Wronskian criterion	PSO3	AP	P	
	CO4	Reduce the order of and solve homogeneous linear differential equations	PSO3	AN	P	
	CO5	Solve non homogeneous equations	PSO3	AP	P	
	CO6	Recognize Legendre's, Euler and Bessel equations and solve them	PSO3	E	C, P	



ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF PHYSICS

B. Sc. I Semester I Oct-Nov 2022

		PhyI	Phy II
Result details		Number of Students	Number of Students
Admitted		20	20
Appeared		20	20
Passed with percentage	A++	0	0
	A+	0	0
	A	1	4
	B+	0	1
	B	2	2
	C+	2	2
	C	5	3
	D	2	1
	F	8	7
Absent		0	0
Failed		8	7
Total passing %		60.00	65.000



B. Sc. I Semester II Mar-Apr 2023

		Phy I	Phy II	Physics practical
Result details		Number of Students	Number of Students	Number of Students
Admitted		23	23	23
Appeared		23	23	23
Passed with percentage	A++	0	0	9
	A+	0	1	5
	A	1	1	3
	B+	1	2	0
	B	3	3	0
	C+	2	1	0
	C	0	4	0
	D	4	1	0
	F	12	10	6
Absent		0	0	0
Failed		12	10	6
Total passing %		47.83	56.522	73.91

PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF PHYSICS

PSO1	Understand the basis concepts of mechanics, relativistic physics, nuclear physics, optics, spectroscopy, solid state physics, nuclear physics, statistical physics, modern physics and thermodynamics and significance of the various physical phenomena.
PSO2	Implemented the physical laws for the physics related practical applications.
PSO3	Apply the conceptual understanding and the skills acquired to solve real time problems.
PSO4	Learn to minimize contributing variables and recognize the limitations of equipment.
PSO5	Discovery of physics concepts in other disciplines such as mathematics, computer science, engineering, and chemistry.
PSO6	Students will be capable of oral and written scientific communication and will prove that they can think critically and work independently

Abbreviations used:

CL – Cognitive level U – understand; Ap – apply; An – analyze; C - create
KC – Knowledge category C – conceptual; F – factual; P - procedural



COURSE OUTCOMES (CO): DEPARTMENT OF PHYSICS

Course Outcome (CO) for B. Sc. F. Y (CBC&GS).

Course Type text here	Course Outcome		PSO	CL	KC
Phy 111 (Mechanics, Properties of Matter and Sound)	CO1	Understand Newton's laws and apply them in calculations of the motion of simple system	PSO1	U	C
	CO2	Use the free body diagrams to analyze the forces on the object	PSO3	U	C
	CO3	Understand the concepts of friction and the concepts of elasticity, fluid mechanics and be able to perform calculations using them	PSO5	Ap	C, P
	CO4	Apply the laws of thermodynamics to formulate the relations necessary to analyze a thermodynamic process	PSO2	An	C, P
	CO5	Demonstrate quantitative problem solving skills in all the topics covered	PSO4	Ap	C, P
Phy 112 (Heat and Thermodynamics)	CO1	Develop an understanding on the concepts of Heat and Thermodynamics	PSO4	An	C, F
	CO2	Describe and apply the physical concepts of heat, transport phenomena and laws of thermodynamics	PSO1	U	C
	CO3	Perform calculations of heat conduction in various geometries	PSO5	U	C
	CO4	To develop ability among the students to identify, remember and grasp the meanings, definitions and laws of heat and thermodynamics	PSO3	U	C, P
	CO5	To develop attitudes such as concern for accuracy and precision, objectivity and enquiry	PSO2	U	C, P

Attainment Level 3 (H)

Phy 121 (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
	CO2	The ability to identify, formulates, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	PSO6	Ap	C, P
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P

Attainment Level 1 (L)

Phy 211 (Optics)	CO1	Acquire the basic concept of optics and its applications	PSO2	Ap	C
	CO2	Explain how image formation takes place in lenses	PSO1	U	C
	CO3	Understand the operations of many modern optical devices	PSO1	U	C
	CO4	Understand the optical phenomenon such as interference and diffraction	PSO5	U	C

Attainment Level 2 (L)

Phy 212 (Electricity and Magnetism)	CO1	Develop an understanding on the concepts of Electricity and magnetism	PSO3	U	C
	CO2	To understand the knowledge of various mathematical operations required for electrostatics and magnetostatics	PSO1	U	C
	CO3	Explain the fundamental concepts and operations of vector analysis	PSO2	U	C, P
	CO4	To increase the ability to perform calculations of various mathematical expressions and laws	PSO1	U	C

Attainment Level 3 (H)

Phy 106 (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
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	CO2	The ability to identify, formulates, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	PSO6	Ap	C, P
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P





ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF PHYSICS

B. Sc. II Semester III Oct-Nov 2022

Result details		Physics VII	Physics VIII
		Number of Students	Number of Students
Admitted		22	22
Appeared		22	22
Passed with percentage	40-50.99 %	14	13
	51-59.99 %	2	3
	60 % and above	0	3
Absent		0	0
Failed		6	3
Total passing %		72.73	86.36

Attainment of COs

Course	Course Outcome		Attainment Level
Phy 201 (Mathematical, Statistical Physics and Relativity)	CO1	Understand differential equations i.e. ordinary differential equations with constant coefficients, first order ODE's with variable coefficients, second order ODE's partial differential equation	3 (H)
	CO2	Understand the basic principles of statistical physics, classical statistics and its applications	
	CO3	Understand the basic principles of quantum statistics and its applications	
	CO4	Understand the fundamental ideas of special relativity	
Phy 202 (Modern and Nuclear Physics)	CO1	Understand the basic concepts of photoelectric effect and their applications in daily life	3 (H)
	CO2	Understand the basic concepts of X-ray and their applications in research and industry	
	CO3	Understand the basic aspects of nuclear Physics	
	CO4	Describe the principle and working of particle accelerators	



B. Sc. II Semester IV Mar-Apr 2023

Result details		Physics XI	Physics XII	Physics Pr (IX & XIII)	Physis Pr (X & XIV)
		Number of Students	Number of Students	Number of Students	Number of Students
Admitted		17	17	17	17
Appeared		16	16	16	16
Passed with percentage	40-50.99 %	7	7	0	0
	51-59.99 %	7	7	0	0
	60 % and above	2	2	16	16
Absent		1	1	1	1
Failed		0	0	0	0
Total passing %		100	100	100	100

Attainment of Outcomes

Course	Course Outcome		Attainment Level
Phy 203 (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	3 (H)
	CO2	The ability to identify, formulates, and solve physics problems.	
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	
Phy 204 (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	3 (H)
	CO2	The ability to identify, formulates, and solve physics problems.	
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	
Phy 205 (General Electronics)	CO1	Apply and illustrate the principles of semiconductor diode and transistor	3 (H)
	CO2	Understand the working and designing of transistor biasing and Op – Amp and its applications	
	CO3	Understand the basic operation Oscillators and Multivibrators	
	CO4	Understand the basics of Modulation and demodulation	
Phy 206 (Solid State Physics)	CO1	Understand the basic aspects of crystallography in solid state physics	3 (H)
	CO2	Understand the basic ideas of bonding in materials	
	CO3	Understand the basic concepts of thermal properties of solids	
	CO4	Understand the basics of Transport properties	
Phy 207 (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	3 (H)
	CO2	The ability to identify, formulates, and solve physics problems.	
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	
Phy 208 (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	3 (H)
	CO2	The ability to identify, formulates, and solve physics problems.	
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	



B. Sc. III Semester V Oct-Nov 2022

		Physics XV	Physics XVI
Result details		Number of Students	Number of Students
Admitted		26	26
Appeared		26	26
Passed with percentage	40-50.99 %	9	11
	51-59.99 %	0	4
	60 % and above	0	5
Absent		0	0
Failed		17	6
Total passing %		34.62	76.92

Attainment of Outcomes

Course	Course Outcome		Attainment Level
Phy 301 (Classical and Quantum Mechanics)	CO1	Understand the mechanics of system of particles	1 (L)
	CO2	To study Origin of Quantum Mechanics	
	CO3	Learn more about Physical interpretation of wave function	
	CO4	Outline the basic Schrodinger's equation in spherical polar co-ordinate system, Compare the different Operators in Quantum Mechanics	
Phy 302 (Electrodynamics)	CO1	Understand the basic concepts of electrostatics	3 (H)
	CO2	Understand the time varying fields	
	CO3	Understand and analyze the properties of electromagnetic waves	
	CO4	Understand the mechanism of Interaction of Electromagnetic waves in matter	



B. Sc. III Semester VI Mar-Apr 2023

		Physics XIX	Physics XX	Physics Pr (XVII & XXI)	Physics Pr (XVIII & XXII)
Result details		Number of Students	Number of Students	Number of Students	Number of Students
Admitted		28	15	28	28
Appeared		28	28	28	28
Passed with percentage	40-50.99 %	10	6	0	0
	51-59.99 %	12	11	0	0
	60 % and above	6	11	28	28
Absent		0	0	0	0
Failed		0	0	0	0
Total passing %		100	100	100	100

Attainment of Outcomes

Course	Course Outcome		Attainment Level
Phy 303 (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	3 (H)
	CO2	The ability to identify, formulates, and solve physics problems.	
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	
Phy 304 (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	3 (H)
	CO2	The ability to identify, formulates, and solve physics problems.	
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	
Phy 305 (Atomic, Molecular Physics and LASER)	CO1	Understand the basic of atomic model	3 (H)
	CO2	Understand many electron atoms and interaction of spins i.e. LS and JJ coupling	
	CO3	Understand rotational, vibrational, electronic and Raman spectra of molecules and their applications	
	CO4	Understand the basic principles of Laser and Describe the applications	
Phy 306 (Non-conventional)	CO1	Understand the need of energy conversion and the various methods of energy storage	3 (H)
	CO2	Explain the field applications of solar energy	



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energy sources and Optical fiber)	CO3	Demonstrate an understanding of optical fiber communication link, structure, propagation and transmission properties of an optical fiber	
	CO4	To understand the construction and characteristics of optical fiber cable	
Phy 307 (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	3 (H)
	CO2	The ability to identify, formulates, and solve physics problems.	
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	
Phy 308 (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	3 (H)
	CO2	The ability to identify, formulates, and solve physics problems.	
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	



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ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF COMMERCE

Result Analysis

Name of Department : Commerce
Semester : I

Class : B. Com. I
Name of Examination : Oct/ Nov 2022

Sl. No.	Result Details	Financial Accounting I	Business Mathematics and Statistics I	Business and Industrial Economics	Computer Applications in Business I	Entrepreneurship Development I
1	Admitted Students	60	60	Landage Sir	60	60
2	Appeared students	43	43		42	43
3	Grade O Students (Grade Points 10.00)	00	00		00	00
4	Grade A++ Students (Grade Points 8.99)	00	00		00	00
5	Grade A+ Students (Grade Points 7.99)	00	01		01	00
6	Grade A Students (Grade Points 6.99)	01	03		00	10
7	Grade B+ Students (Grade Points 5.99)	00	03		00	08
8	Grade B Students (Grade Points 5.49)	04	11		00	12
9	Grade C+ Students (Grade Points 4.99)	04	12		00	10
10	Grade C Students (Grade Points 4.49)	05	00		00	00
11	Grade D Students (Grade Points 4.00)	03	01		00	00
12	Grade F Students	26	12		38	03
13	Absent Students	00	00			00
14	Total Passing Percentage	39.53 %	72.09 %		2.56 %	93.02 %



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Attainment of COs

Course		Course Outcome	Attainment Level
Financial Accounting I	CO ₁	Provide a basic knowledge about Basic Concepts Fundamentals of Book Keeping accounting concepts.	1 (L)
	CO ₂	Understand use the Final accounts of a sole trading concern.	
	CO ₃	Understanding the Final accounts of non-trading concerns.	
	CO ₄	To have knowledge on preparation Bank Reconciliation statement and Royalties.	
	CO ₅	To have knowledge on preparing Depreciation Accounts.	
Course		Course Outcome	Attainment Level
Business Mathematics and Statistics I	CO ₁	Be able to relate statistics and mathematics with economics to understand various economics policies	3 (H)
	CO ₂	Be able to use different statistical tools in research work	
	CO ₃	This subject will help the students in selecting appropriate statistical methods and applying them in the analysis of data.	
	CO ₄	Solve business arithmetic operations with fractions to do business problems, and be able to select methods need to solve problems	
	CO ₅	Critically assess the strengths and weaknesses of published studies, and evaluate the validity of reported results.	
Course		Course Outcome	Attainment Level
Business and Industrial Economics	CO ₁	To enable students to understand how optimum real life decisions are taken by individuals under situations of scarcity	
	CO ₂	To enable students to understand how optimum decisions are taken by firms in the economy.	
	CO ₃	To enable students to understand how price decisions are taken by firms in the economy.	
	CO ₄	To understand the pricing and output decisions under various market structure.	
	CO ₅	To familiarize the students with the basic concept of economics	



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Course		Course Outcome	Attainment Level
Computer Applications in Business I	CO ₁	Students will be familiarized with computer system and its communicating power.	1 (L)
	CO ₂	Students will understand the role of computerized system in corporate accounting & its application.	
	CO ₃	They can use MS office in their routine activities.	
	CO ₄	Students will understand the power of Internet world.	
	CO ₅	Students will use MS excel properly in arithmetic work.	
Course		Course Outcome	Attainment Level
Entrepreneurship Development I	CO ₁	Students will understand the role of entrepreneurship in economic development of society.	3 (H)
	CO ₂	They will aware about Pradhan Mantri Skill India Programme and make in India movement.	
	CO ₃	Understanding of entrepreneurship in service sector in 21 st century.	
	CO ₄	Students will make their mindset for thinking entrepreneurship as career.	
	CO ₅	They will get information about proper financing sources to business.	



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Result Analysis

Name of Department : Commerce
Semester : III

Class : B. Com. II
Name of Examination : Oct/Nov 2022

Sl. No.	Result Details	Corporate Accounting I	Cost Accounting I	IT Application in Business I	GST Account I	Marketing Management
1	Admitted Students	26	26	28	28	26
2	Appeared students	24	24	26	26	24
3	Grade O Students (Grade Points 10.00)	00	00	01	00	00
4	Grade A++ Students (Grade Points 8.99)	00	02	02	01	00
5	Grade A+ Students (Grade Points 7.99)	01	12	02	00	00
6	Grade A Students (Grade Points 6.99)	01	03	06	02	00
7	Grade B+ Students (Grade Points 5.99)	01	03	06	10	01
8	Grade B Students (Grade Points 5.49)	03	03	03	05	05
9	Grade C+ Students (Grade Points 4.99)	15	01	00	00	07
10	Grade C Students (Grade Points 4.49)	01	00	00	00	03
11	Grade D Students (Grade Points 4.00)	00	00	00	00	00
12	Grade F Students	02	00	6	08	08
13	Absent Students	00	00	00	00	00
14	Total Passing Percentage	91.66 %	100 %	76.93 %	69.23 %	66.67 %



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Attainment of COs

Course		Course Outcome	Attainment Level
Corporate Accounting I	CO ₁	Understanding the concept of Equity Shares Issue at Par, at Premium and at Discount & Forfeiture and Re-issue.	3 (H)
	CO ₂	Learning about the provisions relating to redemption of preference shares.	
	CO ₃	Various Methods of Redemption, Writing off discount on Redemption of debentures.	
	CO ₄	Ability to Valuation of Goodwill and shares & Learning about methods of valuation of shares.	
	CO ₅	To learn the Pre -incorporation, Post -incorporation & Preparation of Final accounts of companies.	
Course		Course Outcome	Attainment Level
Cost Accounting I	CO ₁	It's a very easy to learn to students the use of costing concept in manufacturing business like as wage calculation, preparation of cost sheet, budgeting and finding out total cost etc.	3 (H)
	CO ₂	Students will learn the difference between cost accounting and financial accounting.	
	CO ₃	Students will understand difference between fixed overhead and variable overhead.	
	CO ₄	They will aware about impact of fixed cost on earning of unit.	
Course		Course Outcome	Attainment Level
IT Application in Business I	CO ₁	To Provide assistance in understanding how internet workspace makes business enterprise work easier	3 (H)
	CO ₂	To help students to acquire internet & cloud skill's	
	CO ₃	To create an understanding among students relating to cyber crimes	
	CO ₄	To require skills to be employed at a various offices and administrative level jobs using technology	
	CO ₅	student will acquire knowledge of major cyber-crimes and their resulting impact	
Course		Course Outcome	Attainment Level
GST Account I	CO ₁	The students will gain practical training under any GST practitioner and can also practice it as a profession	3 (H)
	CO ₂	The students will know how GST structure working in India, what are the authorities under GST and how to take credit on the GST paid.	



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	CO ₃	The students will have a better understanding of the Indirect tax regime of India being the literate citizens of India	
	CO ₄	To acquire the theoretical knowledge of GST and its Evolution in India	
	CO ₅	To enable the students to understand the GST Law, ITC, Valuation of supply and returns.	
Course		Course Outcome	Attainment Level
Marketing Management	CO ₁	Use of Various Techniques for sale of product in current market conditions.	
	CO ₂	Understanding of channels of distribution.	
	CO ₃	The role of marketing concept in Agricultural industry in India.	
	CO ₄	Understanding and knowledge of Introduction of Marketing.	
	CO ₅	To have knowledge on Product Planning and Development and Product lifecycle.	3 (H)



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Result Analysis

Name of Department : Commerce
Semester : V

Class : B. Com. III
Name of Examination : Oct/Nov 2022

Sl. No.	Result Details	Advanced Financial Accounting I	Management Accounting I	Auditing	Business Regulatory Framework I	Computerized Accounting I	Rural Development and Agricultural Business
1	Admitted Students	26	26	26	26	26	26
2	Appeared students	23	23	22	23	22	23
3	Grade O Students (Grade Points 10.00)	00	00	00	00	00	00
4	Grade A++ Students (Grade Points 8.99)	00	01	00	01	04	01
5	Grade A+ Students (Grade Points 7.99)	01	03	01	00	03	08
6	Grade A Students (Grade Points 6.99)	03	11	04	12	11	11
7	Grade B+ Students (Grade Points 5.99)	10	03	01	06	02	02
8	Grade B Students (Grade Points 5.49)	07	02	10	03	02	01
9	Grade C+ Students (Grade Points 4.99)	00	02	00	01	00	00
10	Grade C Students (Grade Points 4.49)	00	00	00	00	00	00
11	Grade D Students (Grade Points 4.00)	00	00	00	00	00	00
12	Grade F Students	02	01	06	00	00	00
13	Absent Students	00	00	00	00	00	00
14	Total Passing Percentage	91.30 %	95.65 %	72.73 %	100 %	100%	100 %



Attainment of COs

Course		Course Outcome	Attainment Level
Advanced Financial Accounting - I	CO ₁	Prepare financial accounts for partnership firms in different situations of admission, retirement, death and insolvency of the partners.	3 (H)
	CO ₂	Prepare financial statements for partnership firm on dissolution of the firm.	
	CO ₃	Employ critical thinking skills to understand the difference between the dissolution of the firm and dissolution of partnership.	
	CO ₄	Understand the various types of capital structure of the company and their representation in the balance sheet.	
Course		Course Outcome	Attainment Level
Management Accounting-I	CO ₁	Students will understand the basic difference within Management Accounting and Financial Accounting.	3 (H)
	CO ₂	They will understand the importance of management accounting in decision making in business.	
	CO ₃	Students will learn various ratios for understanding of current business situation.	
	CO ₄	They will understand the importance of working capital and various factors that impacting to working capital.	
	CO ₅	Students will learn heads of cash flow in business operation as per AS-3.	
Course		Course Outcome	Attainment Level
Auditing	CO ₁	Apply their knowledge in the practical auditing work of various business organisations by using the concepts of the Auditing	3 (H)
	CO ₂	Search out opportunities and challenges in the field of the profession of Chartered Accountant at various levels.	
	CO ₃	Develop an understanding of various auditing techniques such as vouching verification valuation report writing etc	
	CO ₄	Working knowledge of the different type of audit of special businesses like banking and insurance.	



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	CO ₅	Able to work as an investigator of financial matters related with sole trader, partnership firm or a joint stock company.	
Course		Course Outcome	Attainment Level
Business Regulatory Framework I	CO ₁	Students will aware the needs of business laws in India.	3 (H)
	CO ₂	They will understand the various essential factors that require to become valid contract between two parties.	
	CO ₃	Students will understand the contractual ability of parties.	
	CO ₄	They will learn the importance of free consent in contract.	
	CO ₅	Students will understand the role of RBI in banking business in India.	
Course		Course Outcome	Attainment Level
Computerized Accounting I	CO ₁	To introduce the students to Basic of Accounts and the usage of Tally for accounting purpose.	3 (H)
	CO ₂	To help students to work with well- known accounting software i.e. Tally ERP.9.Tally is an accounting package which is used for learning to maintain accounts.	
	CO ₃	Students will learn to create company, enter accounting voucher entries in Tally ERP.9 software.	
	CO ₄	Demonstrate an understanding of various predefined inventory vouchers	
	CO ₅	Demonstrate an understanding of how to maintain a payroll register	
Course		Course Outcome	Attainment Level
Rural Development and Agricultural Management	CO ₁	To expose student to the basics of knowledge one of the forms of commerce.	3 (H)
	CO ₂	To familiarize them with different types of scheme of GOVT.	
	CO ₃	To make them understand the development of rural area.	
	CO ₄	To introduce some advanced techniques of agricultural development.	
	CO ₅	To prepare student to go for detailed study and understand of rural and agricultural development.	



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Result Analysis

Name of Department : Commerce
Semester : II

Class : B. Com. I
Name of Examination : Mar/April 2023

Sl. No.	Result Details	Financial Accounting II	Business Mathematics and Statistics II	Business Organization and Management	Business Communication and IT Application	Entrepreneurship Development II
1	Admitted Students	60	60	Landage Sir	60	60
2	Appeared students	39	39		40	39
3	Grade O Students (Grade Points 10.00)	00	01		00	00
4	Grade A++ Students (Grade Points 8.99)	00	01		04	00
5	Grade A+ Students (Grade Points 7.99)	00	06		02	03
6	Grade A Students (Grade Points 6.99)	01	10		16	12
7	Grade B+ Students (Grade Points 5.99)	02	05		04	06
8	Grade B Students (Grade Points 5.49)	04	10		00	08
9	Grade C+ Students (Grade Points 4.99)	03	03		00	04
10	Grade C Students (Grade Points 4.49)	03	00		00	02
11	Grade D Students (Grade Points 4.00)	03	00		00	02
12	Grade F Students	22	02		14	01
13	Absent Students	01	01		01	01
14	Total Passing Percentage	41.02 %	92.30 %		65%	94.87 %



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Attainment of Cos			
Course		Course Outcome	Attainment Level
Financial Accounting - II	CO ₁	Have knowledge on preparing Branch and Departmental Accounts.	1 (L)
	CO ₂	Have skill in the procedure for preparing of accounts from incomplete Records.	
	CO ₃	Learn about the partnership Accruing.	
Course		Course Outcome	Attainment Level
Mathematics & Statistics II	CO ₁	This subject will help the students in selecting appropriate statistical methods and applying them in the analysis of data	3 (H)
	CO ₂	To Provide knowledge and information about statistical application	
	CO ₃	To Create skill and ability among student for using the statistical method, tools, techniques by using it devices.	
	CO ₄	To Provide logical reasoning, Ability and interpretation, application of various statistical and mathematical tools and techniques in taking logical and scientific decision in business operation	
	CO ₅	Critically assess the strengths and weaknesses of published studies, and evaluate the validity of reported results.	
Course		Course Outcome	Attainment Level
Business Organization and Management	CO ₁	Understand the concepts related to Business Organization	
	CO ₂	Demonstrate the roles, skills and functions of management.	
	CO ₃	To help the students gain understanding of the functions and responsibilities of managers.	
	CO ₄	To enable them to analyze and understand the environment of the organization	
	CO ₅	To help the students to develop cognizance of the importance of management principles.	
Course		Course Outcome	Attainment Level
Business Communications and IT	CO ₁	Students will aware about communication in business.	3 (H)
	CO ₂	They will able to make effective resume.	
	CO ₃	Students will understand role of network and networking devices in business operation.	



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Application	CO4	Students can give an effective business presentation.	
Course		Course Outcome	Attainment Level
Entrepreneurship Development - II	CO1	Students will understand the entrepreneurial atmosphere in India.	3 (H)
	CO2	They will find out various chances are available for business in rural area of India.	
	CO3	Students will get information about EDP in their own district.	
	CO4	They can understand the proper method for project selection and preparation.	



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Result Analysis

Name of Department : Commerce
Semester : IV

Class : B. Com. II
Name of Examination : Mar/April 2023

Sl. No.	Result Details	Corporate Accounting II	Cost Accounting II	IT Application in Business II	GST Account II	Insurance
1	Admitted Students	26	26	28	28	26
2	Appeared students	26	26	26	26	26
3	Grade O Students (Grade Points 10.00)	00	01	00	00	00
4	Grade A++ Students (Grade Points 8.99)	00	01	01	00	00
5	Grade A+ Students (Grade Points 7.99)	00	11	00	00	12
6	Grade A Students (Grade Points 6.99)	06	08	06	06	07
7	Grade B+ Students (Grade Points 5.99)	06	03	04	14	02
8	Grade B Students (Grade Points 5.49)	02	01	00	00	00
9	Grade C+ Students (Grade Points 4.99)	10	00	02	00	01
10	Grade C Students (Grade Points 4.49)	00	00	00	00	00
11	Grade D Students (Grade Points 4.00)	00	00	00	00	00
12	Grade F Students	02	01	13	06	04
13	Absent Students	00	00	00	00	00
14	Total Passing Percentage	92.30 %	96.15 %	50 %	76.92 %	84.61 %



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Attainment of Cos

Course		Course Outcome	Attainment Level
Corporate Accounting- II	CO ₁	To learn the Amalgamation as per AS-14, absorption and external reconstruction.	3 (H)
	CO ₂	Learn about the Alteration of share capital and Internal reconstruction.	
	CO ₃	Understanding the concept of Accounts of Banking Companies & how to prepare Balance sheet format as perform A.	
	CO ₄	Accounts of Insurance Companies Life, Fire and Marine.	
Course		Course Outcome	Attainment Level
Cost Accounting- II	CO ₁	Students will learn the various methods for reconciliation of costing record with financial record.	3 (H)
	CO ₂	Students can prepare tender and quotations for business.	
	CO ₃	They will learn how to find out Normal and Abnormal Gain & Loss in process costing.	
	CO ₄	Students will learn the accounting treatment for incomplete contracts.	
Course		Course Outcome	Attainment Level
IT Application in Business II	CO ₁	Students will gain a comprehensive understanding of the E-commerce landscape, current and emerging business models, and the technology and infrastructure requirement for the business.	2 (M)
	CO ₂	Developing an understanding on the importance of security, privacy, and planning issues related to E-Commerce	
	CO ₃	Using the E-commerce platforms to enhance current business or incubate new business	
	CO ₄	Understanding on how innovative use of the E-Commerce can help developing competitive advantage	
	CO ₅	Developing an understanding on how internet can help business grow	
Course		Course Outcome	Attainment Level
GST Account II	CO ₁	The students can apply the provisions of GST and tackle with the situation(s) for their own business(s)	3 (H)
	CO ₂	The students will know how GST structure working in India, what are the authorities under GST and how to take credit on the GST paid	
	CO ₃	The students can become GST practitioners and earn their living by having a good line of business and	



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		clientele.	
	CO ₄	The students can take up a career as a Customs officer working at the airport as well as in the office of Central Board of Indirect Taxes and Customs	
	CO ₅	Students will be able to calculate the customs duty to be paid by them.	
Course		Course Outcome	Attainment Level
Insurance	CO ₁	Importance of insurance in business as well as human life.	3 (H)
	CO ₂	Understand the clearing procedures of insurance of life insurance.	
	CO ₃	Benefit of unit linked insurance plan comparing with normal insurance policy.	
	CO ₄	To have knowledge on Fire and Marine Insurance.	
	CO ₅	To have knowledge on Miscellaneous Insurance.	



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Result Analysis

Name of Department : Commerce
Semester : VI

Class : B. Com. III
Name of Examination : Mar/April 2023

Sl. No.	Result Details	Advanced Financial Accounting II	Management Accounting II	Direct Tax	Business Regulatory Framework II	Computerized Accounting II	Advertizing and Salesmanship
1	Admitted Students	26	26	26	26	26	26
2	Appeared students	23	23	22	23	22	23
3	Grade O Students (Grade Points 10.00)	00	00	00	00	00	00
4	Grade A++ Students (Grade Points 8.99)	00	03	02	00	01	00
5	Grade A+ Students (Grade Points 7.99)	08	11	02	00	03	01
6	Grade A Students (Grade Points 6.99)	09	06	04	02	07	01
7	Grade B+ Students (Grade Points 5.99)	01	00	08	06	02	05
8	Grade B Students (Grade Points 5.49)	02	02	03	08	05	06
9	Grade C+ Students (Grade Points 4.99)	02	01	01	06	00	08
10	Grade C Students (Grade Points 4.49)	00	00	00	00	00	00
11	Grade D Students (Grade Points 4.00)	00	00	00	00	00	00
12	Grade F Students	01	00	02	01	04	02
13	Absent Students	00	00	00	00	00	00
14	Total Passing Percentage	95.65 %	100 %	90.91 %	95.65 %	81.82%	91.30 %



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Attainment of Cos			
Course		Course Outcome	Attainment Level
Advanced Financial Accounting - II	CO ₁	Evaluate the different situations of capital issue to public like issue at premium, issue at discount, forfeiture of shares etc.	3 (H)
	CO ₂	Demonstrate an understanding about the profits of the company and their division.	
	CO ₃	Preparation of financial accounts with profits before incorporation.	
	CO ₄	Understand the valuation of shares and goodwill and prepare financial statements accordingly.	
Course		Course Outcome	Attainment Level
Management Accounting - II	CO ₁	Students can understand the importance of budgeting in business as well as in human life.	3 (H)
	CO ₂	They can learn the various types of budgets in business.	
	CO ₃	They can forecast the requirement of fund through budget.	
	CO ₄	Students can understand the various steps in responsibility accounting.	
Course		Course Outcome	Attainment Level
Direct Tax	CO ₁	Understand the basic concepts of Indian income tax act 1961 and tax liability of person on the basis of their residential status.	3 (H)
	CO ₂	Develop the understanding and skill to calculate the various heads of the income of an individual assessee.	
	CO ₃	Prepare and present statement of total income and state various provisions of deductions and calculations related with tax liability.	
	CO ₄	Able to understand amendments made from time to time in Finance Act.	
	CO ₅	Able to file IT return on an individual basis	
Course		Course Outcome	Attainment Level
Business Regulatory Framework - II	CO ₁	Students can understand the nature of negotiable instrument.	3 (H)
	CO ₂	They will know the rights of unpaid seller.	



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	CO ₃	Students will learn how to transfer ownership of material.	
	CO ₄	They will understand the various types of cheques.	
	CO ₅	They will aware about the composition of state and central human right commission.	
Course		Course Outcome	Attainment Level
Computerized Accounting – II	CO ₁	Students do possess required skill and can also be employed as Tally data entry operator	3 (H)
	CO ₂	Develop the students use the Tally software, that helps to prepare Accounting, Payroll, Billing, Sales and Profit Analysis, Auditing Banking Inventory, Taxation such as GST, TDS, TCS etc. Application of key accounting assumption and principles of Tally ERP.9 in real business	
	CO ₃	Students be able to understand the need of Tally software in developing computerized accounts	
	CO ₄	Students will be able to use accounting and business terminology in Tally package	
	CO ₅	After the completion of this course, students be able to understand the essential components of internet in business and society	
Course		Course Outcome	Attainment Level
Advertising & Salesmanship	CO ₁	Concept of Marketing; Marketing environment; Marketing Information System; Marketing Research; Consumer Behavior; Segmenting, Targeting and Positioning.	3 (H)
	CO ₂	Concept of Advertising; Advertising Objectives, Budget aida.	
	CO ₃	Advertising Media; Classifications of Advertising; Internet Advertising; Advertising Appeals; Role and Impact of Advertising on the Indian Economy.	
	CO ₄	Advertising and Indian Art & Culture; Advertising and Indian Society; Misleading and Deceptive advertisements.	
	CO ₅	Concept of Brand, Role of social media in Marketing Brands; Important concepts of Brand Management; Branding Decisions.	



ATTAINMENT OF COURSE OUTCOMES (CO): DEPARTMENT OF CHEMISTRY

Result Analysis			
Name of the Department		:	Chemistry
Class		:	B. Sc. I
Semester		:	I
Paper Number and Name		:	CHE 111 Inorganic Chemistry CHE 112 Organic Chemistry
Name of Examination		:	Oct/Nov 2022
Sl. No.	Result Details	Number of Students	
		Paper I	Paper II
		Inorganic Chemistry	Organic Chemistry
1	Admitted Students	114	114
2	Appeared students	96	96
3	Grade O Students (Grade Points 10.00)	---	---
4	Grade A++ Students (Grade Points 8.99)	---	---
5	Grade A+ Students (Grade Points 7.99)	---	---
6	Grade A Students (Grade Points 6.99)	---	---
7	Grade B+ Students (Grade Points 5.99)	03	---
8	Grade B Students (Grade Points 5.49)	14	01
9	Grade C+ Students (Grade Points 4.99)	21	02
10	Grade C Students (Grade Points 4.49)	09	14
11	Grade D Students (Grade Points 4.00)	08	04
12	Grade F Students	41	75
13	Absent Students	---	---
14	Total Passing Percentage	57.29%	21.87%



Attainment of Outcomes [Level 2 (M)]

Class: B.Sc. I
Paper No: I

Name of paper: Inorganic Chemistry
Semester: I

1. Understanding Atomic Structure and Periodicity of Elements
2. Exploring Ionic Bonding, Covalent Bonding and Molecular Orbital Theory (MOT)
3. Develop critical thinking to correlate atomic and molecular structures with their chemical properties.
4. Gain problem-solving skills by applying theoretical models (e.g., VSEPR, MOT) to predict molecular behavior.
5. Build foundational knowledge for advanced studies in quantum chemistry, spectroscopy, and chemical bonding.



Attainment of Outcomes [Level 1 (L)]

Class: B.Sc. I

Name of paper: Organic Chemistry

Paper No: II

Semester: I

1. Understand Structure and Bonding

- ❖ Explain the concepts of localized and delocalized chemical bonding and their impact on molecular stability.
- ❖ Analyze electronic effects such as resonance, hyperconjugation, inductive effects, conjugative effects, hydrogen bonding, and steric effects on chemical reactivity and structure.
- ❖ Discuss the role of charge-transfer complexes in organic systems.

2. Interpret Organic Reaction Mechanisms

- ❖ Differentiate between homolytic and heterolytic bond cleavage and their significance in reaction mechanisms.
- ❖ Identify and classify electrophilic and nucleophilic reagents.
- ❖ Explain various types of organic reactions and the energy considerations involved.
- ❖ Describe reactive intermediates (carbocations, carbanions, free radicals) and provide examples of their formation and stability.

3. Apply Principles of Stereochemistry

- ❖ Define and differentiate various types of isomerism, including optical and geometric isomerism.
- ❖ Explain the concepts of chirality, enantiomers, diastereomers, meso compounds, and stereogenic centers.
- ❖ Determine relative and absolute configurations of organic molecules using D-L and R-S systems of nomenclature.
- ❖ Analyze and assign configurations in geometric isomers using E-Z nomenclature and apply it to compounds like oximes and alicyclic compounds.

4. Demonstrate Knowledge of Alkanes and Alkenes

- ❖ Apply methods for synthesizing alkanes (e.g., Kolbe reaction, Corey-House reaction, and decarboxylation) and describe their physical properties.
- ❖ Explain the chemical reactivity of alkanes through mechanisms of chlorination, nitration, sulphonation, and catalytic oxidation.
- ❖ Illustrate the methods of alkene formation and mechanisms of elimination reactions (e.g., Saytzeff and Hofmann elimination).
- ❖ Discuss the physical properties, stabilities, and chemical reactivities of alkenes, including Markovnikov and anti-Markovnikov additions, hydroboration, oxidation, and polymerization.

5. Understand Arenes and Aromaticity

- ❖ Describe the structure and resonance stabilization of benzene, including its MO picture.
- ❖ Apply Huckel's rule to determine aromaticity in organic compounds and aromatic ions.
- ❖ Explain the mechanisms of aromatic electrophilic substitution reactions, including nitration, halogenation, sulphonation, and Friedel-Crafts reactions.

6. Analyze Alkyl and Aryl Halides

- ❖ Describe the properties and synthesis of polyhalogen compounds such as chloroform and carbon tetrachloride.
 - ❖ Discuss methods of formation and reactions of aryl halides, including nuclear and side-chain reactions.
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Result Analysis			
Name of the Department		:	Chemistry
Class		:	B. Sc. I
Semester		:	II
Paper Number and Name		:	CHE 211 Physical Chemistry CHE 212 Applied Chemistry
Name of Examination		:	March/April 2023
Sl. No.	Result Details	Number of Students	
		Paper III	Paper IV
		Physical Chemistry	Applied Chemistry
1	Admitted Students	114	114
2	Appeared students	85	85
3	Grade O Students (Grade Points 10.00)	---	---
4	Grade A++ Students (Grade Points 8.99)	01	01
5	Grade A+ Students (Grade Points 7.99)	07	17
6	Grade A Students (Grade Points 6.99)	16	21
7	Grade B+ Students (Grade Points 5.99)	06	05
8	Grade B Students (Grade Points 5.49)	10	28
9	Grade C+ Students (Grade Points 4.99)	10	03
10	Grade C Students (Grade Points 4.49)	12	02
11	Grade D Students (Grade Points 4.00)	02	02
12	Grade F Students	21	06
13	Absent Students	---	---
14	Total Passing Percentage	75.29%	92.94%



Attainment of Outcomes [Attainment Level 3 (H)]

Class: B.Sc. I
Paper No: III

Name of paper: Physical Chemistry
Semester: II

- Understanding terms: System, Surrounding types of system, intensive and extensive properties.
- Thermodynamic Process, reversible and irreversible process, concept of maximum work (W_{\max}).
- Law of Thermodynamics: Statement, Definition of Internal energy and Enthalpy. Heat capacity, heat capacities at constant volume pressure and their relationship.
- Calculation of W , q , du and dH for the expansion of ideal gases under isothermal and adiabatic conditions for reversible process.
- Hess's law of heat Summation and its application.
- Carnot cycle and its efficiency. Concept of Entropy and physical significances.
- Understanding the concept of Third Law of thermodynamics.
- Le Chatelier's principle.
- To know Kinetic gas equation, Boyle's law, Charles's law and Graham's law of diffusion.

Attainment of Outcomes [Attainment Level 3 (H)]

Class: B.Sc. I
Paper No: IV

Name of paper: Applied Chemistry
Semester: II

1. Grasp the principles and applications of paper and thin-layer chromatography (TLC).
 2. Analyze the structure, reactions, and properties of carbohydrates and mutarotation.
 3. Learn the synthesis, properties, and uses of addition and condensation polymers, along with synthetic and natural rubbers, for industrial applications.
 4. Apply the principles of UV spectroscopy, including electronic transitions and Woodward-Fieser rules, to analyze and interpret the structure of conjugated compounds.
 5. Understand the methods for analyzing nitrogen, phosphorus, and potassium content in fertilizers to evaluate their quality and agricultural utility.
-



Result Analysis

Name of the Department: Chemistry
Class: B. Sc. II
Semester: III
Paper Number and Name: Paper VII Organic Chemistry,
Paper VIII Physical Chemistry
Name of Examination: Oct/Nov 2022

Sr. No	Result Details		Organic-VII	Physical-VIII
1	Admitted		47	47
2	Appeared		44	44
3	Passed with percentage	41% - 50.99 %	13	
		51% - 59.99 %	15	
		60 % and above	16	
4	Failed		13	---
5	Absent		---	---
6	Total passing Percentage		70.45%	100%



Attainment of COs

Course	Course Outcome		Attainment Level
Paper VII Organic Chemistry	CO1	Students will able to understand synthesis of alcohols, reactions of ethylene glycol and glycerol, Preparation and electrophilic aromatic substitution reactions of phenol.	3 (H)
	CO2	Name reactions exhibited by aldehydes and ketones with mechanism.	
	CO3	Synthesis and chemical reactions of carboxylic acids, decarboxylation of malic, Tartaric and Citric acids, Reactions of compounds of nitrogen.	

Course	Course Outcome		Attainment Level
Paper VIII Physical Chemistry	CO1	Understanding terms: System, Surrounding, Types of system, intensive and extensive properties.	3 (H)
	CO2	Thermodynamic Process, reversible and irreversible process, concept of maximum work (W_{\max}).	
	CO3	Law of Thermodynamics: Statement, Definition of internal energy and enthalpy. Heat capacity, heat capacities at constant volume pressure and their relationship.	
	CO4	Calculation of W, q, du and dH for the expansion of ideal gases under isothermal and adiabatic condition for reversible	



Result Analysis

Name of the Department: Chemistry
Class: B. Sc. II
Semester: IV
Paper Number and Name: Paper IX Inorganic Chemistry
Paper X Physical Chemistry
Paper XI Practical on Paper X
Paper XII Practical on Paper XI
Name of Examination: Mar/Apr 2023

Sr. No	Result Details		Inorg-IX	Phy-X
1	Admitted		47	47
2	Appeared		40	40
3	Passed with percentage	41% - 50.99 %	23	17
		51% - 59.99 %	09	09
		60 % and above	05	11
4	Failed		---	---
5	Absent		03	03
6	Total passing Percentage		92.50%	92.50%



Attainment of COs

Course	Course Outcome		Attainment Level
Paper IX Inorganic Chemistry	CO1	Students will able to understand, Features, electronic configuration and general properties of first transition series elements like color, oxidation state etc.	3 (H)
	CO2	Werner's co-ordination theory, nomenclature of coordinate compounds, formation of complexes based on VBT.	
	CO3	Chemistry of Lanthanides and actinides.	
	CO4	Theories of acids and bases and reactions in non-aqueous solvents	

Course	Course Outcome		Attainment Level
Paper X Physical Chemistry	CO1	Types of Conductance, variation of equivalent and specific conductance with dilution.	3 (H)
	CO2	Kohlrausch's law, Ostwald's dilution law.	
	CO3	Transport Number: Definition, Determination by Hittorfs method and moving boundary method, Types of Titration.	
	CO4	Types of Reversible Electrodes, Nernst Equation, Types of electrode, Electro-Chemical Series and its significance.	
	CO5	Buffer-Acidic and Basic Buffers, Mechanism of Buffer Action. Types of corrosion.	

Course	Course Outcome		Attainment Level
Paper XI & XII Lab Course	CO1	Study the Gravimetric Estimation of Zn, Mn, Ni, Ba and Al.	3 (H)
	CO2	Understanding the Complexometric Titration of Zn, Ni, Cu and Pb by using indicator.	
	CO3	To study the instruments of conductometer, pH-meter, colorimeter, Polarimeter and refractive meter.	
	CO4	To prepare Organic Derivatives like Acetyl, Benzoyl, Hydrolysis, Bromo, Reduction and Osazone derivatives.	
	CO5	The organic estimations of estimation of nitro group by reduction.	
	CO6	Estimation of glucose.	
	CO7	Estimation of ester and amides by hydrolysis.	



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Result Analysis

Name of the Department: Chemistry

Class: B. Sc. III

Semester: V

Paper Number and Name: Paper XIII Physical Chemistry

Paper XIV Organic Chemistry

Name of Examination: Oct/Nov 2022

Sr. No	Result Details		Physical-XIII	Organic-XIV
1	Admitted		62	62
2	Appeared		59	59
3	Passed with percentage	40% - 50.99%	19	30
		51% - 59.99%	01	15
		60% and above	36	9
4	Failed		---	2
5	Absent		03	3
6	Total passing Percentage		33.89%	91.52%



Attainment of COs

Course	Course Outcome		Attainment Level
Paper XIII Physical Chemistry	CO1	Study Black body radiation, Planck's radiation law, Photoelectric effect, Compton effect, De Broglie Hypothesis.	1 (L)
	CO2	Heisenberg's uncertainty principles, Hamiltonian operator, Schrodinger wave equation and its importance.	
	CO3	Understanding the concept: Electromagnetic radiation, regions of the spectrum, basic features of different spectrometers, statement of the Born-Oppenheimer approximation, Rotational spectrum and numerical problems.	
	CO4	Study laws of photochemistry, Grothus-Draper law, Stark-Einstein law, Jablonski diagram.	
	CO5	Quantum yield and its types.	
	CO6	Understanding the Nano-materials and synthesis methods.	

Course	Course Outcome		Attainment Level
Paper XIV Organic Chemistry	CO1	Detailed study of NMR spectroscopy, Structure determination of organic compounds using NMR, IR and UV techniques.	3 (H)
	CO2	Chemical reactions of organometallic compounds like G.R., organozinc and organolithium compounds.	
	CO3	Synthetic applications of active methylene groups: ethyl acetoacetate and diethyl malonate.	
	CO4	Chemistry of fats, oils and detergents.	



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Result Analysis

Name of the Department: Chemistry
Class: B. Sc. III
Semester: VI
Paper Number and Name: Paper XV Inorganic Chemistry
Paper XVI Physical Chemistry
Paper XVII Practical on Paper XV
Paper XVIII Practical on Paper XVI
Name of Examination: Mar/Apr 2023

Sr. No	Result Details		Inorg-XV	Org-XVI
1	Admitted		62	62
2	Appeared		60	60
3	Passed with percentage	40% - 50.99%	28	09
		51% - 59.99%	14	08
		60% and above	14	38
4	Failed		03	04
5	Absent		01	01
6	Total passing Percentage		93.33%	91.66%



Attainment of COs

Course	Course Outcome		Attainment Level
Paper XV Inorganic Chemistry	CO1	Students will able to understand: Crystal field theory and it's basic concepts, splitting of d-orbitals in octahedral, tetrahedral and square planar complexes, factors affecting CFT.	3 (H)
	CO2	Types of electronic transitions, Selection rules for d-d transition, energy level diagrams.	
	CO3	Nomenclature and classification of organometallic compounds, preparation and properties.	
	CO4	Essential and trace elements in biological processes, biological role of Na ⁺ and K ⁺ , nitrogen fixation	
	CO5	Classification of chromatographic techniques, ascending, descending techniques, TLC application	

Course	Course Outcome		Attainment Level
Paper XVI Organic Chemistry	CO1	Synthesis of heterocyclic compounds, electrophillic and nucleophilic reactions of heterocyclic compounds. Comparison of basicity of pyridine, pipyridine and pyrrole.	3 (H)
	CO2	Introduction and classification of carbohydrates, open and ring structure of glucose, mechanism of mutarotation and polysaccharides	
	CO3	Classification and synthesis of synthetic polymers, properties of polymers, introduction to synthetic rubber and it's uses.	
	CO4	Color and constitution of dyes, synthesis of dyes, classification, synthesis of drugs, properties of ideal drug.	

Course	Course Outcome		Attainment Level
Paper XVII & XVIII Lab Course	CO1	Semi-micro qualitative analysis, organic and inorganic quantitative analysis.	3 (H)
	CO2	Separation of Ca and Ni from binary mix. and estimation of Ni gravimetrically	
	CO3	Estimation of Cl in given sample of bleaching powder.	
	CO4	Estimation of Vit. C, ascorbic acid, carbonyl group	
	CO5	Organic preparation and it's purity by TLC	
	CO6	Conductometric, pH metric and potentiometric titrations.	
	CO7	Determination of interfacial tension, standard free energy change.	



ATTAINMENT OF COURSE OUTCOMES (COs): DEPARTMENT OF VOCATIONAL COURSES (B. Voc.)

Result Analysis

Name of Department: B. Voc. : Broadcasting & Journalism
Class : B. & J.-F. Y.
Semester : I
Name of Examination : Oct/Nov -2022

Sr. No	Result Details		Paper Code												
			GE-101	GE-102	GE-103	GE-104	SC-101	SC-102	SC-103	SC-104	SC-105	SC-106	SC-107	SC-108	SC-109
1	Admitted		08	08	08	08	08	08	08	08	08	08	08	08	08
2	Appeared		08	08	08	08	08	08	08	08	08	08	08	08	08
3	Passed with percentage	-	-	-	-	-	-	-	-	-	1	-	-	-	
		1	-	-	-	-	-	-	-	2	-	2	1	1	
		05	06	06	06	06	06	06	06	04	05	04	05	05	
4	Failed		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Absent		2	2	2	2	2	2	2	2	2	2	2	2	2
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%

Course Co-coordinator

Principal



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Name of Department: B. Voc. : Broadcasting & Journalism
Class : B. & J.-F. Y.
Semester : II
Name of Examination : Apr/May -2023

Sr. No	Result Details		Paper Code												
			GE-201	GE-202	GE-203	GE-204	SC-201	SC-202	SC-203	SC-204	SC-205	SC-206	SC-207	SC-208	SC-209
1	Admitted		08	08	08	08	08	08	08	08	08	08	08	08	08
2	Appeared		05	05	05	05	05	05	05	05	05	05	05	05	05
3	Passed with percentage	-	-	-	-	-	-	-	-	-	-	-	-	-	
		1	-	-	-	-	-	-	-	-	-	-	-	-	
		04	05	05	05	05	05	05	05	05	05	05	05	05	
4	Failed		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Absent		-	-	-	-	-	-	-	-	-	-	-	-	-
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

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Name of Department: B. Voc. : Broadcasting & Journalism
Class : B. & J.-S. Y.
Semester : III
Name of Examination : Oct/Nov -2022

Sr. No	Result Details		Paper Code												
			GE-301	GE-302	GE-303	GE-304	SC-301	SC-302	SC-303	SC-304	SC-305	SC-306	SC-307	SC-308	SC-309
1	Admitted		12	12	12	12	12	12	12	12	12	12	12	12	12
2	Appeared		12	12	12	12	12	12	12	12	12	12	12	12	12
3	Passed with percentage	-	-	-	-	-	-	-	-	-	-	-	-	-	
		4	-	-	-	-	-	-	-	-	-	-	-	-	
		7	11	11	11	11	11	11	11	11	11	11	11	11	
4	Failed		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Absent		1	1	1	1	1	1	1	1	1	1	1	1	1
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		91.66%	91.66%	91.66%	91.66%	91.66%	91.66%	91.66%	91.66%	91.66%	91.66%	91.66%	91.66%	91.66%

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Name of Department: B. Voc. : Broadcasting & Journalism
Class : B. & J.-S. Y.
Semester : IV
Name of Examination : Apr/May -2023

Sr. No	Result Details		Paper Code												
			GE-401	GE-402	GE-403	GE-404	SC-401	SC-402	SC-403	SC-404	SC-405	SC-406	SC-407	SC-408	SC-409
1	Admitted		12	12	12	12	12	12	12	12	12	12	12	12	12
2	Appeared		11	11	11	11	11	11	11	11	11	11	11	11	11
3	Passed with percentage	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1	-	-	1	-	1	1	-	-	-	-	-	-	-
		09	10	10	09	10	09	09	10	10	10	10	10	10	10
4	Failed		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Absent		-	-	-	-	-	-	-	-	-	-	-	-	-
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Course Co-coordinator

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Name of Department: B. Voc. : Broadcasting & Journalism
Class : B. & J.-T. Y.
Semester : V
Name of Examination : Oct/Nov -2022

Sr. No	Result Details			Paper Code											
			GE-501	GE-502	GE-503	GE-504	SC-501	SC-502	SC-503	SC-504	SC-505	SC-506	SC-507	SC-508	SC-509
1	Admitted		08	08	08	08	08	08	08	08	08	08	08	08	08
2	Appeared		08	08	08	08	08	08	08	08	08	08	08	08	08
3	Passed with percentage	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	1	-	-	-	-	-	-	-	-	-	-	
		08	08	08	07	08	08	08	08	08	08	08	08	08	
4	Failed		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Absent		-	-	-	-	-	-	-	-	-	-	-	-	-
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Course Co-coordinator

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Name of Department: B. Voc. : Broadcasting & Journalism
Class : B. & J.-T. Y.
Semester : VI
Name of Examination : Apr/May -2023

Sr. No	Result Details		Paper Code												
			GE-601	GE-602	GE-603	GE-604	SC-601	SC-602	SC-603	SC-604	SC-605	SC-606	SC-607	SC-608	SC-609
1	Admitted		08	08	08	08	08	08	08	08	08	08	08	08	08
2	Appeared		08	08	08	08	08	08	08	08	08	08	08	08	08
3	Passed with percentage	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	-	
		08	08	08	08	08	08	08	08	08	08	08	08	08	
4	Failed		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Absent		-	-	-	-	-	-	-	-	-	-	-	-	-
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Course Co-coordinator

Principal



Attainment of Outcomes

First Semester

Course		Course Outcome	Attainment Level
GE-101 Linguistic Proficiency	CO ₁	Students introduce to Origin and development of Marathi Language, importance of Devnagri Script & its use in Indian languages.	3 (H)
	CO ₂	Students able to writing Skills required for Marathi with social ethics.	
	CO ₃	Students will heighten their awareness of correct usage of Marathi grammar in writing and speaking.	
	CO ₄	Developed Skills of writing for Marathi Newspapers and News, Story writing, feature writing.	
	CO ₅	Students understands to Story writing, reading & making, fieldwork and taken to interview for celebratory & famous persons	
GE-102 Computer Basic-Theory	CO ₁	The Students understands to introduction to Computers, History & generations, types of computers.	3 (H)
	CO ₂	To Provide knowledge and information about MS Office with its applications & features.	
	CO ₃	To Create skill and ability among student for using the Excel, Page Maker, techniques by using formatting.	
	CO ₄	This subject will help the students in Using Computer for news creations and broadcasting.	
	CO ₅	Students will demonstrate knowledge of fundamentals of hardware technology relevant to understanding Computers basics.	
GE-103 Computer Basic-Practical's	CO ₁	The students will practical training under any MS Office with its applications, and can also practice it as a profession	3 (H)
	CO ₂	The students will know Excel, Page Maker & techniques by using formatting in practical.	
	CO ₃	The students will have a practically understanding of the news creations and broadcasting.	
	CO ₄	To acquire the practical knowledge of Coral Draw and Graphics.	
	CO ₅	To enable the students to a practically understand the Coral Shows-Cartoons use, CD-ROM & Multimedia Skills.	
GE-104 Environment Awareness	CO ₁	To Provide assistance in understanding how definition, principals & scope of environmental Science.	3 (H)
	CO ₂	To help students to acquire concept of eco life & its importance.	
	CO ₃	To create an understanding among students relating to environment geographical classifications & Zones.	
	CO ₄	Students will understand relationships between environmental and economic trends and their impact on diversecultures and communities.	
	CO ₅	Student will acquire knowledge of major Fundamentals of environment.	



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SC-101 Introductions to Mass Communications	CO ₁	To introduce basic concept of communication and Mass Communication & its role in society.	3 (H)
	CO ₂	To introduce students to various processes & theories of mass communication.	
	CO ₃	To introduce students to the history, evolution and the development of Mass Communication in the world with special reference to India.	
	CO ₄	To understand the development of Mass Communication models.	
	CO ₅	To understand the concept of New Media and Media Convergence and its implications.	
SC-102 Introductions to Broadcast Media	CO ₁	Students will be able to identify and write record, produce and edit several formats of radio programmes including news stories, and features.	3 (H)
	CO ₂	Students will recognize the structure and history of the radio industry will be able to work in professional atmosphere of radiostation.	
	CO ₃	Demonstrate proficiency in recording and editing for audio productions.	
	CO ₄	Demonstrate competency as a producer by organizing the editorial flow and technical content of radio program.	
	CO ₅	Developing an understanding on how broadcasting can help Media growth.	
SC-103 Fundamentals of Journalism	CO ₁	Students introduce to Basic fundamentals and responsibilities of journalism.	3 (H)
	CO ₂	To help students to work with well-known ethics of journalism & how to start to publication in India.	
	CO ₃	Students will learn to organizational structure of a Newspaper and its all departments.	
	CO ₄	Demonstrate an understanding of create a content of a Newspapers.	
	CO ₅	Demonstrate an understanding of types of news, skills of take interview & Photo Journalism.	
SC-104 Media Law & Ethics	CO ₁	Recognize the provision provided to the journalist under working journalist act	3 (H)
	CO ₂	Apply ethical and legal frameworks to resolve a mass communication dilemma.	
	CO ₃	The Students understands to New Media Law, Code of AIR & Doordarshan.	
	CO ₄	The Students understands to Act of Cable Television & its rules. Evaluate the relevance to society of Freedom of Information law.	
	CO ₅	Study to code of ethics for Media and importance of media Law & ethics for journalists.	
SC-105	CO ₁	Students do must be involved in the production of issues of the mass communication.	3 (H)



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	CO ₂	Students understand to work as reporter to work as News reporter, Sub-editor & Feature writer.	
	CO ₃	Students are able to understand the need of in developing content in mass communication.	
	CO ₄	Students will be able to practically primary work at News paper and New Media.	
	CO ₅	After the completion of this course, students are able to understand the news content writing.	
SC-106 Project work - Introductions to Broadcast Media	CO ₁	Students do must be involved in the production of issues of the broadcast Media.	3 (H)
	CO ₂	Students understand to work as reporter to work as News reporter, Sub-editor & Feature writer in broadcast Media.	
	CO ₃	Students are able to understand the need of developing content in broadcast Media.	
	CO ₄	Students Develop the understanding and skill to practically primary work of broadcast Media.	
	CO ₅	Student Able to news writing & recording for broadcast Media.	
SC-107 Project work – Fundamentals of Journalism	CO ₁	Students do must be involved in the production of issues of the fundamentals journalism.	3 (H)
	CO ₂	Understanding and develop to skill of news reporting.	
	CO ₃	Students Develop the understanding and skill to practically attend to press conference & writing this news.	
	CO ₄	Demonstrate an understanding of create a content for journalism.	
	CO ₅	Demonstrate a creating a news, taken to interview & Photo for Journalism.	
SC-108 Project work – Media Law & Ethics	CO ₁	Students do must be involved in the production of issues of the Media Law & Ethics.	3 (H)
	CO ₂	Develop the understanding and skill to news reporting with media ethics & press Act, Press Law.	
	CO ₃	Students Develop the understanding and filed work & sting operation with media ethics & press Act, Press Law.	
	CO ₄	Demonstrate an understanding of create an ethical news content for journalism.	
	CO ₅	Demonstrate an understanding of the nature of ethics and morality in journalism	
SC-109 In House Training	CO ₁	Students do must be involved in the talk shows & group discussion.	3 (H)
	CO ₂	Students do must be writing a script of documentary.	
	CO ₃	Students do practices of game commentaries in the college.	
	CO ₄	Students developed skills of group discussions and interview	
	CO ₅	Students developed skills of news reading.	



Second Semester

Course		Course Outcome	Attainment Level
GE-201 Linguistic Proficiency-II	CO ₁	Students Participate in whole class and small group discussions in Marathi.	3 (H)
	CO ₂	Be able to writing Skills required for Marathi, specify of Marathi.	
	CO ₃	Students will heighten their awareness of correct usage of Marathi grammar in writing and speaking.	
	CO ₄	Developed Skills of writing for Marathi media and News Story writing, feature writing.	
	CO ₅	Recognize signal words and phrases that introduce organizational structures within lectures, new concepts or vocabulary.	
GE-202 Computer Basic- Theory-II	CO ₁	The Students understands to introduction to CSS.	3 (H)
	CO ₂	To Provide knowledge and information about image development in Photoshop	
	CO ₃	Student study to types of introduction of CMS is Web development, Web hosting theory.	
	CO ₄	Develop to theoretical knowledge of IMS, Multi Processing and GSAM datasets.	
	CO ₅	Student implements the concepts of payroll Systems & Time processing system.	
GE-203 Computer Basic-II Practical's	CO ₁	The students will practical training under any MS Office with its applications, and can also practice it as a profession	3 (H)
	CO ₂	The students will know Excel, Page Maker & techniques by using formatting in practical.	
	CO ₃	The students will have a practically understanding of the news creations and broadcasting	
	CO ₄	To acquire the practical knowledge of Coral Draw and Graphics.	
	CO ₅	To enable the students to a practically understand the Coral Shows- Cartoons use, CD-ROM & Multimedia Skills.	
GE-204 Public Relation	CO ₁	Students introduce to evaluation, history, definition, purpose & utility of public relation.	3 (H)
	CO ₂	Students introduce & learn to Law & ethics of public relation.	
	CO ₃	The students can understand symmetrical & asymmetrical theories of public relation.	
	CO ₄	Students introduce & learn to content writing for public relation.	



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	CO ₅	Students learn to strategic public relation & management.	
SC-201 News writing & Reporting	CO ₁	Students introduce to basic concept of news writing & reporting for media.	3 (H)
	CO ₂	Students understand to law & ethics of news writing & reporting for media.	
	CO ₃	Defining News and understanding its elements, news sources and different types of news.	
	CO ₄	The students can understand various types of news & reporting.	
	CO ₅	To introduce to different types of reporting and their importance & different forms of journalistic writing.	
SC-202 News Anchoring	CO ₁	This subjects aims to expose its students to the techniques employed in news reading and anchoring for live events, TV shows and News shows.	3 (H)
	CO ₂	students can shine in challenging careers like Anchoring, Show Hosting, Public Speaking and News Reporting etc.	
	CO ₃	Demonstrate to news anchoring for Radio & Video media.	
	CO ₄	The students will be a good news anchor in audio or video media.	
	CO ₅	A learner can write be a reporter, copy editor and produce a bulletin for electronic media.	
SC-203 – Camera Operating & Handling	CO ₁	Students understand to the different working styles of camera.	3 (H)
	CO ₂	Students understand to enhance the shooting skills.	
	CO ₃	Students introduce to role and function of cameraman.	
	CO ₄	Explain basic use approaches regarding multimedia	
	CO ₅	Explain the applications benefits of multimedia for instructional setting.	
SC-204 Editing Audio, Video, Photo	CO ₁	This course is to provide an introduction to Audio and Video recording, editing using tools and techniques prevalent in the media industry.	3 (H)
	CO ₂	The students will understand the basic editing tools and techniques of sound and video recordings in preparation for media	
	CO ₃	Through this course they will learn basic component of Photoshop.	
	CO ₄	They will learn the techniques of Still Photography and Videography.	
	CO ₅	Students study to any faction & tool of audio, video, photo editing.	
SC-205	CO ₁	Student's practice to news writing & reporting on the field.	3 (H)



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Practical- News writing & Reporting	CO ₂	Student’s cover the press conference & news reporting.	
	CO ₃	Students write to assignment on elements, news sources and different types of news.	
	CO ₄	Students practically reporting to difference types of news.	
	CO ₅	Students write & recording to fracture & human interested stories.	
SC-206 Practical- News Anchoring	CO ₁	Students practice news reading and anchoring for live events, TV shows	3 (H)
	CO ₂	Students practically work on Anchoring, Show Hosting, Public Speaking and news Reporting etc.	
	CO ₃	Demonstrate to news anchoring for radio & video media.	
	CO ₄	The students will try to news anchoring in audio or video media.	
	CO ₅	Sundance practice to produce a news bulletin for electronic media.	
SC-207 Practical- Camera Operating & Handling	CO ₁	Students practically work on the different working styles of camera.	3 (H)
	CO ₂	Students develop to shooting & editing skills.	
	CO ₃	Student introduces to develop the role and function of cameraman.	
	CO ₄	Explain basic use approaches regarding multimedia	
	CO ₅	Explain the applications benefits of multimedia for instructional setting.	
SC-208 Practical- Editing Audio, Video, Photo	CO ₁	Students must be involved in the production of issues of the Media Law & Ethics.	3 (H)
	CO ₂	Develop the understanding and skill to news reporting with media ethics & press Act, Press Law.	
	CO ₃	Students Develop the understanding and filed work & sting operation with media ethics & press Act, Press Law.	
	CO ₄	Demonstrate an understanding of create an ethical news content for journalism.	
	CO ₅	Demonstrate an understanding of the nature of ethics and morality in journalism	
SC-209 In House Training	CO ₁	Students do must be involved in the talk shows & group discussion.	3 (H)
	CO ₂	Students do must be writing a script of documentary.	
	CO ₃	Students do practices of game commentaries in the college.	
	CO ₄	Students developed skills of group discussions, interview	
	CO ₅	Students developed skills of news reading.	

Third Semester

Course		Course	Attainment
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		Outcome	Level
GE-301 Effective Communication Skills-I	CO ₁	To make the learners aware about social & personal need of communication.	3 (H)
	CO ₂	To understand the concept, meaning & elements of human communication	
	CO ₃	To understand to seven 'C's of communication.	
	CO ₄	To explain the various elements of effective communication skills.	
	CO ₅	Students understand to process of communication, verbal & non-verbal communication.	
GE-302 Advance Computing - Theory	CO ₁	Student develops to skills & learns new computer technology.	3 (H)
	CO ₂	Apply computer science theory and concepts to computing.	
	CO ₃	Student understands to WWW.,HTML history, Microsoft front page & formatting HTML documents.	
	CO ₄	Students learn to Managing image in HTML, tables in HTML document & data cells..	
	CO ₅	Students study to types of Hypertext & Link, Special effect in HTML documents.	
GE-303 Advance Computing- Practical	CO ₁	Student practice tone advance computer technology.	3 (H)
	CO ₂	Apply computer science theory and concepts to computing.	
	CO ₃	Student understands to WWW.,HTML history, Microsoft front page & formatting HTML documents.	
	CO ₄	Students learn to Managing image in HTML, tables in HTML document & data cells.	
	CO ₅	Students study to types of Hypertext & Link, Special effect in HTML documents.	
GE-304 General Awareness	CO ₁	Students introduce to economic scenario of World, India & Maharashtra.	3 (H)
	CO ₂	Students understand to political scenario of World, India & Maharashtra.	
	CO ₃	Students will be study to regional issue of India.	
	CO ₄	Student will be social & agriculture issue in India & Maharashtra.	
	CO ₅	Student write to report on local administration responded to natural disaster.	
SC-301 Voice over & Voice	CO ₁	To make students aware of technical and aesthetics of Audio Industry.	3 (H)
	CO ₂	To develop skills for Writing Script, Voice Over, Dubbing and Story Telling.	
	CO ₃	Students develop to skills of understanding of job prospect in the field of Radio, News portals, Film and Television.	



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Modulation	CO ₄	To make students aware of technical and aesthetics of Audio Industry.	
	CO ₅	Students understand the basics of radio Station work and news reporting & importance of voice in radio.	
SC-302 Radio Journalism	CO ₁	Students introduce to basic concept & development of Radio Journalism.	3 (H)
	CO ₂	Students understand the basics of radio Station work and news reporting.	
	CO ₃	They will know about the radio news structure, interview skills and news values etc.	
	CO ₄	Students will learn about the basic concepts and fundamental elements of Radio programme production.	
	CO ₅	Students will come to know about the writing styles for different to radio formats.	
SC-303 Television Journalism	CO ₁	This subject will make students understand about the invention & development of television Journalism.	3 (H)
	CO ₂	Students introduce to work of TV camera & TV editing software.	
	CO ₃	Students will learn to TV news writing & reporting skills.	
	CO ₄	Students introduce to overview of TV industry in India.	
	CO ₅	Students will come to know about the writing styles for different to television formats.	
SC-304 Web Journalism	CO ₁	This subject will make students understand about the basic concepts of Web Journalism and its fundamental concepts.	3 (H)
	CO ₂	Students will come to know about the writings for Web Media.	
	CO ₃	Students introduce to E-newspapers, E-books & E-publications.	
	CO ₄	Students introducing to work of new social media & ethics of web journalism.	
	CO ₅	The Students understanding to basic knowledge of HTML and use of content management system.	
SC-305 Practical– Voice Over & Voice Modulation	CO ₁	Students visit to difference FM Radio stations & submit the visit report.	3 (H)
	CO ₂	Students visit to difference community Radio stations & submit the visit report.	
	CO ₃	Student's improving skills of production of personal or group radio advertise.	
	CO ₄	Students learn to critical analysis of radio program.	
	CO ₅	Student's able to recording & editing to various voices.	
SC-306	CO ₁	Students introduce to basic recording & editing software.	3 (H)
	CO ₂	Students exercise to news reading & anchoring for radio journalism.	



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Practical – Radio Journalism	CO ₃	Students listing & writing to news bulletin on radio Station.	
	CO ₄	The student’s analysis & discussion of news bulletin & practices to news bulletin making for Radio.	
	CO ₅	Student’s improving the news reading skills & recording the interview for radio.	
SC-307 Practical-Television Journalism	CO ₁	Students will practically use the camera, light and sound system.	3 (H)
	CO ₂	Students exercise to news writing & anchoring for television journalism.	
	CO ₃	Students will learn to different steps of production & they will be able to shoot their own program for television journalism.	
	CO ₄	The student’s analysis & discussion of news bulletin & practices to news bulletin making for television journalism.	
	CO ₅	Student’s improving news anchoring skills & shoot the interview for television journalism.	
SC-308 Practical- Web Journalism	CO ₁	Students will be practice to writing skills Web journalism.	3 (H)
	CO ₂	Students learn to individual blog creations for web journalism.	
	CO ₃	Students able to write to features & news stories for web journalism.	
	CO ₄	Students can team work on group Web-blog.	
	CO ₅	Students able to contribution to a group or community on any of the social network sites.	
SC-309 In House Training	CO ₁	Student’s abele to group discussion, presentation & writing on current issue for media.	3 (H)
	CO ₂	Students study & take interview to sociologist or scientist.	
	CO ₃	Students practice to news writing, recording & editing for radio or television media.	
	CO ₄	Students developed skills of Radio & television program production.	
	CO ₅	Student’s abele to recording to audio or video program in House/Studio.	

Fourth Semester

Course		Course Outcome	Attainment Level
GE-401 Effective Communication Skills-II	CO ₁	To make the learners aware about body language & forms of communication.	3 (H)
	CO ₂	Students study to basic communication models.	
	CO ₃	This subject will make students understand about the concept of Mass, Mass society & Mass communication.	
	CO ₄	To explain the audience behaviour & communication effect.	



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	CO ₅	Students understand to process of communication, verbal & non- verbal communication.	
GE-402 Advance Computing - Theory	CO ₁	Student develops to skills & learns new computer technology.	3 (H)
	CO ₂	Student introduce to concept of CSS, creation	
	CO ₃	Student introduce to introduction to Photoshop, rural tool, zooming, history panel saving & file format.	
	CO ₄	Students learn to CMS is web development, web hosting, PHP, article & other feature of Joomla	
	CO ₅	Students study introduction IMS, IMS DB structure, DL/I processing.	
GE-403 Advance Computing- Practical	CO ₁	Student practice tone advance computer technology.	3 (H)
	CO ₂	Apply computer science theory and concepts to computing.	
	CO ₃	Student understands to CSS, Style sheet, working with block, layout & site designs.	
	CO ₄	Students learn practical work on IMS, IMS DB structure & CSAM data base.	
	CO ₅	Students study to payroll system interface, control procedures, external & audits.	
GE-404 Banking Knowledge	CO ₁	Study of Banks Organizational Structure – Management – Objectives – Functions – Monetary Policy.	3 (H)
	CO ₂	To understand the working of the Bank in India.	
	CO ₃	Descriptions and their Special Features-Duties Responsibilities of Paying and Collecting Banker.	
	CO ₄	Circumstances under which a Banker can refuse Payment of Cheques.	
	CO ₅	To learn the importance to be updated on the E- banking sector and Mobile banking	
SC-401 Radio & Television Production	CO ₁	To make students aware of radio & television program format.	3 (H)
	CO ₂	To develop skills for Script and news writing for radio & television media.	
	CO ₃	Students develop to skills of understanding of job prospect in the field of Radio and Television.	
	CO ₄	To make students aware of technical and aesthetics of radio & television media.	
	CO ₅	Students understand the basics of radio Station work and news anchoring for television.	
SC-402	CO ₁	Students learn to editing of audio, video & photo.	3 (H)
	CO ₂	To develop skills for Writing Script, Voice Over, Dubbing and Story Telling.	



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Advance Audio Visual, Photo Editing	CO ₃	To develop skills of understanding of job prospect in the field of Radio, News portals, Film and Television	
	CO ₄	To make students aware of technical and aesthetics of Audio Industry.	
	CO ₅	To develop skills for Writing Script, Voice Over, Dubbing and Story Telling.	
SC-403 Multimedia Production	CO ₁	Students introduce to history & basic stage of multimedia projects.	3 (H)
	CO ₂	Students understand to multimedia elements, tax, image, audio, video & animation.	
	CO ₃	Students understand to multimedia tools & applications.	
	CO ₄	Explain basic use approaches regarding multimedia & benefits of multimedia.	
	CO ₅	Students understand to applications digital imaging in multimedia & animation.	
SC-404 Advertisement Television & Media	CO ₁	Students understand to the basic concepts and importance of audio & video advertisements.	3 (H)
	CO ₂	Students will come to know about the writings advertisements & its dialogs & radio & television advertisements.	
	CO ₃	Students introduce to purpose, development, nature, role of economy of advertisement & social process of advertising.	
	CO ₄	Students introducing to advantage-disadvantage, program promo, types, format & impact of radio & television advertisements.	
	CO ₅	The Students understanding to trained in advertising media.	
SC-405 Practical- Radio & Television Production	CO ₁	Students create a one minute's video production on different subjects.	3 (H)
	CO ₂	The student's analysis & discussion of radio & television production.	
	CO ₃	Student's improving personal or group skills of production for radio & television media.	
	CO ₄	Students learn to writing, presenting & recording of News.	
	CO ₅	Student's able to production of radio & television media.	
SC-406 Practical- Advance Audio, Visual, Photo Editing	CO ₁	Students work in Photoshop & editing of audio, video & photo.	3 (H)
	CO ₂	To develop skills for camera handling, shooting & preparing photo feature.	
	CO ₃	To develop skills of understanding of recording of sound bites & edit it.	
	CO ₄	To make students aware of technical and aesthetics of Audio video & photo editing.	
	CO ₅	To develop skills for Video making with script writing &	



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		editing.	
SC-407 Practical-Multimedia Production	CO ₁	Students will learn to create a digital layout.	3 (H)
	CO ₂	Students exercise to 2D animations & technique.	
	CO ₃	Students will learn to create, edit & working with animation graph.	
	CO ₄	The student's able to recording & mixing of multi track audio.	
	CO ₅	Student's improving to skills of multimedia production.	
SC-408 Advertisement Television & Media	CO ₁	Students solve quiz on advertising for television & radio production.	3 (H)
	CO ₂	Students study to advertisement agency & analyze social effects of advertisements.	
	CO ₃	Students exercise to copywriting & writing headline, slogan.	
	CO ₄	Students can practically work on radio & television advertise making.	
	CO ₅	Students able to writing & shoot of advertisement for audio or video media.	
SC-409 In House Training	CO ₁	Student's able to using digital photography camera & latest software of adobe Photoshop.	3 (H)
	CO ₂	Students study to basic function of camera; basic shots & practice to camera operate.	
	CO ₃	Students practice to news Anchoring, recording & editing for radio or television media.	
	CO ₄	Students developed skills of group discussion, presentation & writing on current event.	
	CO ₅	Student's able to make a documentary, short film and video or audio program production.	

Fifth Semester

Course		Course Outcome	Attainment Level
GE-501 Marketing Management-I	CO ₁	To make the learners aware about conceptual knowledge and evolution of Marketing Management.	3 (H)
	CO ₂	To familiarize the learners with the functions in Marketing Management.	
	CO ₃	To understand the concept of production, branding & modern marketing.	
	CO ₄	To explain the various elements of psychology of consumer & their behaviour.	
	CO ₅	To understand the need and importance of environmental analysis, SWOT, PEST.	



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GE-502 Investment Management-I	CO ₁	The Students understands to introduction to investment management, definitions of individual investor & meaning of investor.	3 (H)
	CO ₂	To Provide knowledge and information about financial investment & economic investment.	
	CO ₃	Students understanding to objectives, elements, of investment & defiance between investor speculators.	
	CO ₄	This subject will help the students in self investment & cell production.	
	CO ₅	To learn the various marketing strategies adopted by Companies to create a competitive advantage	
GE-503 Disaster Management I- Theory	CO ₁	The Students understands to introduction to disaster management, types of disaster & natural disaster Flood, Cyclone.	3 (H)
	CO ₂	To Provide knowledge and information about industrial pollutions & Nuclear disaster, Biological disaster.	
	CO ₃	Students understanding to effect & practical example for all disasters.	
	CO ₄	Explain disaster management theory (cycle, phases, risk, crisis, emergency, disasters and resilience).	
	CO ₅	Apply knowledge about existing global frameworks and existing agreements and role of community in successful Disaster Risk Reduction.	
GE-504 Disaster Management I- Practical's	CO ₁	Students collect to information about existing natural disaster in their area.	3 (H)
	CO ₂	Student is Study to case of Earthquake and writes this report in details.	
	CO ₃	Study visit to fire department and write to visit report.	
	CO ₄	Student is Study to care of self & society in corona disaster & write this report.	
	CO ₅	Student write to essay on How to Media used in disaster Management.	
SC-501 Media Management	CO ₁	To introduce basic concept of media management & ownership of media.	3 (H)
	CO ₂	To introduce students to content of productions advertising.	
	CO ₃	To introduce students to basic concept of medias business & its models.	
	CO ₄	The students can understand to principals & feature of media economic.	
	CO ₅	To introduce Students of Government politics for media owners in India & Problem of paid news.	



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SC-502 Documentary & Film Production	CO ₁	An addition to training as writer/directors, students will become proficient in other production and postproduction skills (camera, lighting, sound, editing)	3 (H)
	CO ₂	Students will learn the rudiments of narrative filmmaking in the short form and be able to apply these skills to long-form work.	
	CO ₃	Students will engage in the use and analysis of emerging technologies.	
	CO ₄	Demonstrate a comprehensive understanding of the history of documentary film making and the different approaches taken through its course.	
	CO ₅	Students will be able to apply theoretical, critical, and historical concepts when making style choices in their own projects and in referencing or analyzing the medium of cinema.	
SC-503 Digital Journalism	CO ₁	To introduce the students to Basic concept, factions & types of digital journalism.	3 (H)
	CO ₂	Critically appraise the online media landscape and the potential of new technologies and audiences.	
	CO ₃	Students will learn to social networking websites, multimedia content & web browsers.	
	CO ₄	The students can understand to reporting of digital media.	
	CO ₅	The Students understanding of covering news for digital media.	
SC-504 Entertainment Journalism	CO ₁	To introduce the students to Basic concept & traditional definition of entertainment journalism.	3 (H)
	CO ₂	Critically appraise the entertainment media landscape and the potential of new technologies and audiences.	
	CO ₃	Students introducing to various entertainment platforms - Cinema, theatre, music, dance, reality shows, culture & new media.	
	CO ₄	Recognize and deploy appropriate online journalism strategies to engage readers across a range of online media.	
	CO ₅	The Students understanding of politics of digital journalism.	
SC-505 Practical –Media Management	CO ₁	Students visit to difference media house & submit the visit report.	3 (H)
	CO ₂	Students understand to work of management in media.	
	CO ₃	Students are able to understand the need of in developing content in mass communication.	
	CO ₄	Students will be able to practically work at field for news & data collection.	
	CO ₅	After the completion of this course, students are able to understand the media management.	



SC-506 Practical – Documentary & Film Production	CO ₁	Students do must be involved in the production of issues of the documentary & film production.	3 (H)
	CO ₂	Students understand to work as documentary creation & short film making.	
	CO ₃	Students are able to understand the need of developing content for entertainment media.	
	CO ₄	Students Develop the understanding and skill to practically primary work of script writing & dialogs writing.	
	CO ₅	Student Able to Script writing & production for entertainment Media.	
SC-507 Practical-Digital Journalism	CO ₁	Students understanding the creation of informative website & app.	3 (H)
	CO ₂	Develop the understanding and skill to digital journalism reporting.	
	CO ₃	Students Develop the understanding and skill to practically content develop for web news.	
	CO ₄	Demonstrate an understanding of create a content for digital journalism.	
	CO ₅	Demonstrate a creating a news, taken to interview & Photo for digital Journalism.	
SC-508 Practical- Entertainment journalism	CO ₁	Students conduct interview exercises, reporting practice for entertainment Journalism.	3 (H)
	CO ₂	Students work to group discussion & criticism on cinema or film industry.	
	CO ₃	Students completed to the five field visit to development project & submit this report.	
	CO ₄	Students developed skills of field work & report writing for entertainment Journalism.	
	CO ₅	Students developed skills of cinema criticism.	
SC-509 Field Work	CO ₁	Students conduct survey on current issues.	3 (H)
	CO ₂	Students submit to the development stories in hard & soft copy.	
	CO ₃	Students completed to the five field visit to development project & submit this report.	
	CO ₄	Students developed skills of field work & report writing	
	CO ₅	Students developed skills of communications skill.	

Sixth Semester

Course		Course Outcome	Attainment Level
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GE-601 Marketing Management-II	CO ₁	To make the learners aware about conceptual knowledge and evolution of Marketing Management.	3 (H)
	CO ₂	To familiarize the learners with the pricing design & distribution strategies in Marketing Management.	
	CO ₃	To understand the concept of production, branding & modern marketing.	
	CO ₄	To explain the various elements of psychology of consumer & their behaviour.	
	CO ₅	To understand the need and importance of recent trends in marketing.	
GE-602 Investment Management-II	CO ₁	The Students understands to introduction to primary market factors, secondary market & types of market.	3 (H)
	CO ₂	To Provide knowledge and information about risk & return concept.	
	CO ₃	Students understanding to objectives, elements, of investment & defiance between investor speculators.	
	CO ₄	This subject will help the students in self investment & cell production.	
	CO ₅	To learn the valuation & analysis of securities, bond theories & valuation models.	
GE-603 Disaster Management II- Theory	CO ₁	The Students understands to concept & nature role of information technology in disaster management.	3 (H)
	CO ₂	To Provide knowledge and information about introduction & plan of disaster management.	
	CO ₃	Students understanding to medical health response to difference disasters.	
	CO ₄	Explain disaster management theory to rehabilitation, reconstruction & recovery.	
	CO ₅	Apply knowledge about rehabilitation, reconstruction and recovery meaning & development.	
GE-604 Disaster Management II- Practical's	CO ₁	Students visit to local agency, organization & submit the visit report.	3 (H)
	CO ₂	Student is taken to interview of government/non-government functionaries.	
	CO ₃	Students design to poster with information about meaning of disaster.	
	CO ₄	Student is Study to care of self & society in corona disaster & write this report.	
	CO ₅	Student write to report on local administration responded to natural disaster.	
SC-601 Agriculture Journalism	CO ₁	Students introduce to basic concept of Agri-Journalism.	3 (H)
	CO ₂	To introduce students agriculture in India & Maharashtra.	



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	CO ₃	To introduce students to basic concept of agriculture economy of India.	
	CO ₄	The students can understand to agriculture finance, role of NABARD.	
	CO ₅	To introduce Students of developing crisis in agriculture, new trends in agriculture.	
SC-602 Business Journalism	CO ₁	Students introduce to basic concept of Business Journalism.	3 (H)
	CO ₂	Students introduce to basic principles of economy & importance of economic terms.	
	CO ₃	To introduce students to fundamentals of Indian economy & introduction of GST.	
	CO ₄	The students understand to basic concept of World economy.	
	CO ₅	To introduce Students to corporate world & cooperative movement.	
SC-603 Sports Journalism	CO ₁	To introduce the students to Basic concept, factions & types of sports journalism.	3 (H)
	CO ₂	To introduce Students to history & traditions of various sports.	
	CO ₃	Students will learn to traditional Indian sports & present condition.	
	CO ₄	The students can understand to tradition of sports reporting in India & World.	
	CO ₅	The Students practice to reporting of sports for media & commentary of local game compaction.	
SC-604 Managing Television & Radio Shows	CO ₁	To introduce the students to field production, Basic shots camera angel for television & radio shows.	3 (H)
	CO ₂	The Students understanding to concept of video & audio editing	
	CO ₃	Students introducing to process of studio production & work of studio.	
	CO ₄	Students introducing to radio news room work & television news flow management.	
	CO ₅	The Students understanding to managing radio program & news bulletin.	
SC-605 Practical– Agriculture Journalism	CO ₁	Students competed to internal assessment on media coverage of rural issues & agriculture.	3 (H)
	CO ₂	Students visit to farms & agricultural research centre & write the visit report.	
	CO ₃	Students taken to farmer's interview & write the report.	
	CO ₄	The students writing to news & success stories of farmers.	
	CO ₅	Student's internship with agriculture news paper &	



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		news portal.	
SC-606	CO ₁	Students complete to internal assessment on Stock exchange.	3 (H)
Practical – Business Journalism	CO ₂	Students visit to news organizations, business sections & write the visit report.	
	CO ₃	Students attend the press conference and write to news.	
	CO ₄	The students writing to news & success stories of businessman.	
	CO ₅	Student's study of business news paper & news channel.	
SC-607 Practical-Sports Journalism	CO ₁	Students covering the live sports in the near area.	3 (H)
	CO ₂	Develop the understanding and skill to writing news & feature for sports journalism.	
	CO ₃	Students taken interview to sports persons, officers & write the report.	
	CO ₄	Demonstrate an understanding of create a content for sports journalism.	
	CO ₅	Students practices to game commentary & analysis of Sports media.	
SC-608 Practical- Managing Television & Radio Shows	CO ₁	Students produce a documentary on any subject or them.	3 (H)
	CO ₂	Students study to prepare production plan a short story	
	CO ₃	Students practice to writing a script & story board.	
	CO ₄	Students developed skills of camera operating & practice to video shooting exercise.	
	CO ₅	Students complete to short & long news bulletin.	
SC-609 Internship	CO ₁	Students will comprehend the foundations, process, and practices of writing for and about the media, and demonstrate proficiency in writing in one or more professional media writing applications.	3 (H)
	CO ₂	Informed about journalistic ethics and capable of articulating an ethical decision.	
	CO ₃	Conversant about contemporary media issues. Prepared for a diverse and multi-cultural world and workplace.	
	CO ₄	Prepared for a diverse and multi-cultural world and workplace.	
	CO ₅	Students will understand mass media as a system of interrelated forces, including historical foundations, technological advances, economic dynamics, regulatory constraints, and ethical concerns.	



ATTAINMETN OF OUTCOMES: DEPARTMENT OF ZOOLOGY

Result Analysis			
Name of the Department		:	Zoology
Class		:	B. Sc. I
Semester		:	I
Paper Name		:	ZOO - Animal Diversity ZOO - Cell Biology
Name of Examination		:	Oct/Nov 2022
Sl. No.	Result Details	Number of Students	
		Paper I	Paper II
		Animal Diversity	Cell Biology
1	Admitted Students	82	82
2	Appeared students	82	82
3	Grade O Students (Grade Points 10.00)	---	---
4	Grade A++ Students (Grade Points 8.99)	---	---
5	Grade A+ Students (Grade Points 7.99)	---	---
6	Grade A Students (Grade Points 6.99)	5	4
7	Grade B+ Students (Grade Points 5.99)	9	8
8	Grade B Students (Grade Points 5.49)	22	12
9	Grade C+ Students (Grade Points 4.99)	12	10
10	Grade C Students (Grade Points 4.49)	09	22
11	Grade D Students (Grade Points 4.00)	08	12
12	Grade F Students	8	05
13	Absent Students	9	9
14	Total Passing Percentage	79.26%	84.14%



Attainment of Outcomes [Attainment Level 3 (H)]

Paper No. I Animal Diversity

CO1:- To know characters and classification of non-chordates

CO2:- To understand the diversity and complexity of life forms

Paper No. II Cell Biology [Attainment Level 3 (H)]

CO1:- To Understand the structure and function of cell in animal cells

CO2:- To understand the cellular environments

CO3:- To study the biology of cancer



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Result Analysis			
Name of the Department		:	Zoology
Class		:	B. Sc. I
Semester		:	II
Paper Name		:	ZOO - Diversity of Chordate ZOO - Genetics
Name of Examination		:	March/April 2023
Sl. No.	Result Details	Number of Students	
		Paper III	Paper IV
		Diversity of Chordate	Genetics
1	Admitted Students	71	71
2	Appeared students	71	71
3	Grade O Students (Grade Points 10.00)	---	---
4	Grade A++ Students (Grade Points 8.99)	---	---
5	Grade A+ Students (Grade Points 7.99)	---	2
6	Grade A Students (Grade Points 6.99)	---	21
7	Grade B+ Students (Grade Points 5.99)	22	8
8	Grade B Students (Grade Points 5.49)	12	4
9	Grade C+ Students (Grade Points 4.99)	6	4
10	Grade C Students (Grade Points 4.49)	4	2
11	Grade D Students (Grade Points 4.00)	2	2
12	Grade F Students	13	17
13	Absent Students	12	15
14	Total Passing Percentage	64.78%	54.92%



Attainment of Outcomes

B. Sc. F.Y. (Sem-II)

Paper No. IV Diversity of Chordate II [Attainment Level 3 (H)]

CO1:-To know the general characters and classification of chordates.

CO2:- To understand the increasing complexity of organization of life forms from lower to higher chordates.

Paper No. V Genetics [Attainment Level 2 (M)]

CO1:- To Understand the principles of Heredity and Variations.

CO2:- To study the role of genetics in Evolution.

CO3: To analyze and solve the problems based on Genetics.

O4:- To learn the genetic disorders and its chromosomal role.



Result Analysis

Name of the Department: Zoology
Class: B.Sc. II
Semester: III
Paper Number and Name: Paper VII Vertebrate Zoology,
Paper VIII Genetics II
Name of Examination: Oct/Nov2022

Sr. No	Result Details		Vertebrate Zoology	Genetics
1	Admitted		31	31
2	Appeared		31	31
3	Passed with percentage	41% - 50.99 %	04	01
		51% - 59.99 %	07	04
		60 % and above	14	19
4	Failed		02	03
5	Absent		04	04
6	Total passing Percentage		80.64%	77.41%



Attainment of Outcomes

Course	Course Outcome		Attainment Level
ZOL 301 Vertebrate Zoology	CO1	Identified the taxonomic status of the entire chordates and discussed the evolutionary model of the group.	3 (H)
	CO2	Imparted the knowledge on ecology of some important fishes, amphibians, reptiles, birds and mammals.	
	CO3	Impart knowledge in comparative anatomy and development systems of chordates.	
	CO4	Make able to discuss some and very important phenomena in Chordates.	
	CO5	Know about the conservation and management strategies of the chordate fauna.	

Course	Course Outcome		Attainment Level
ZOL 302 Genetics II	CO1	To study the structure of nucleic acids.	3 (H)
	CO2	To understand the gene expression and regulation in Prokaryotes & Eukaryotes.	
	CO3	To gain better knowledge in both Prokaryotes & Eukaryotes about the Gene Mutation, Repair Mechanisms, Nuclear Genome Organization, Genes and gene numbers.	
	CO4	Comprehensive and detailed analysis of the structure of the gene.	
	CO5	Analyze the role of transposable elements in prokaryotes and eukaryotes.	
	CO6	Insight into the manipulation of genetic material for a wide variety of	



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Result Analysis

Name of the Department: Zoology
Class: B.Sc. II
Semester: IV
Paper Number and Name: Paper IX Animal Physiology
Paper X Biochemistry & Endocrinology
Paper XI Practical on Paper X
Paper XII Practical on Paper XI
Name of Examination: Mar/Apr2023

Sr. No	Result Details		Animal Physiology	Biochemistry & Endocrinology
1	Admitted		31	31
2	Appeared		31	31
3	Passed with percentage	41% - 50.99 %	01	03
		51% - 59.99 %	02	12
		60 % and above	20	09
4	Failed		02	01
5	Absent		06	06
6	Total passing Percentage		74.19%	77.41%



Attainment of Outcomes

Course	Course Outcome		Attainment Level
ZOL 401 Animal physiology	CO1	Students gain fundamental knowledge of animal physiology	3 (H)
	CO2	Students will gain skill to execute the roles of a biology teacher or medical lab technicians with training as they have basic fundamentals	
	CO3	Students are taught the detailed concepts of digestion respiration excretion the functioning of nerves and muscles	
	CO4	Understood about the composition of food and mechanism of digestion absorption and assimilation.	
	CO5	Attained knowledge of respiration and excretion and understood the mechanism of transport of gases and urine formation.	
	CO6	Described the mechanism of circulation and composition of blood	
	CO7	Knowledge of neuromuscular coordination and the mechanism of osmoregulation in animals and endocrine system and their function is attained.	
	CO8	Understood the menstrual cycle and the role of contraceptive in population control.	

Course	Course Outcome		Attainment Level
ZOL 402 Biochemistry & Endocrinology	CO1	This paper gives an idea about the glands which work inside the body and secrete a chemical called hormone.	3 (H)
	CO2	Comprehended the energy source, chemical bonds and the principles of thermodynamics.	
	CO3	Understood the importance of acid base balance.	
	CO4	Attained the knowledge of macromolecules such as carbohydrates, protein and fat, their types and significance.	
	CO5	Understood the knowledge of cholesterol and its biological significance.	
	CO6	Described the enzymes, mechanism of enzyme action and factors affecting the enzyme activity.	
	CO7	Understood the types and importance of vitamins.	
	CO8	Interactions and interdependence of physiological and biochemical processes.	



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Result Analysis

Name of the Department : Zoology
Class: B. Sc. III
Semester: V
Paper Number and Name: Paper XIII Ecology
Paper XIV Parasitic Protozoa & Helminths I
Name of Examination: Oct/Nov2022

Sr. No	Result Details		Ecology	Parasitic Protozoa & Helminths II
1	Admitted		48	48
2	Appeared		46	46
3	Passed with percentage	40%-50.99%	3	7
		51%-59.99%	7	8
		60% and above	34	30
4	Failed		02	1
5	Absent		00	00
6	Total passing Percentage		95.65%	97.82%



Attainment of Outcomes

Course	Course Outcome		Attainment Level
ZOL 501 Ecology	CO1	Learn basic concepts.	3 (H)
	CO2	Learn Auto Ecology and Population Ecology.	
	CO3	Learn Dynamics of Population.	
	CO4	Learn Ecology of Communities.	
	CO5	Learn Functional and Structural Features of Communities.	
	CO6	Learn Ecosystem and Characteristics.	
	CO7	Learn Functional Characteristics of Ecosystems.	
	CO8	Learn Ecological Cycles, Biological Accumulation.	
	CO9	Learn The Great Ecosystems in the World.	
	CO10	Learn Evolutional Ecology, Natural Selection, Genetic Variability.	
	CO11	Learn Life Strategies, Gene Banks.	
	CO12	Learn Applied Ecology.	
	CO13	Learn Ecological Problems of Humanity, Protection of the Nature and Biological Variability.	

Course	Course Outcome		Attainment Level
ZOL 502 Parasitology and Helminthes I	CO1	Describe the common parasitic diseases and life-threatening conditions caused by helminthes and protozoa as regards etiology and life cycle of parasites of medical importance.	3 (H)
	CO2	Describe the common diseases caused by helminthes and protozoa as regards pathogenesis, clinical features, differential diagnosis and complications.	
	CO3	Point out the methods of recovery of parasites and their culture methods as well as immunological and molecular methods used for diagnosis of parasitic infections.	
	CO4	Define the principles of management for common parasitic diseases and life-threatening conditions.	
	CO5	Outline methods of disease prevention.	
	CO6	Recognize safety procedures relevant to parasitic diseases during practical year.	



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Result Analysis

Name of the Department: Zoology
Class: B.Sc. III
Semester: VI
Paper Number and Name: Paper XIX Evolution
Paper XX Parasitic Protozoa & Helminths II
Paper XVII & XXI
Paper XVIII & XXII
Name of Examination: Mar/Apr2023

Sr. No	Result Details		Evolution	Parasitic Protozoa & Helminths II
1	Admitted		48	48
2	Appeared		46	46
3	Passed with percentage	40%-50.99%	3	4
		51%-59.99%	10	12
		60%and above	31	25
4	Failed		03	04
5	Absent		00	00
6	Total passing Percentage		93.47%	91.30%



Attainment of Outcomes

Course	Course Outcome		Attainment Level
ZOL-601 Evolution	CO1	Define Geological Time Scale and describe zoo-geographical Realms.	3 (H)
	CO2	Describe the barriers, dispersals and their impact on animal Distribution.	
	CO3	Describe the adaptive features of both primary and secondary aquatic vertebrates.	
	CO4	Describe the adaptive features of desert reptile and mammals.	
	CO5	Write down the Chemical basis of origin of life and experiments for supporting that idea.	
	CO6	Describe the Theory of Evolution considering Darwinism and Modern Synthetic Theory.	
	CO7	Describe the Isolating mechanisms, modes of speciation, Biological & Evolutionary Species	

Course	Course Outcome		Attainment Level
ZOL 602 Parasitology and Helminthes II	CO1	Identify, describe and contrast unicellular parasites and parasitic worms Utilize	3 (H)
	CO2	knowledge in the application of parasite control and treatment methodologies	
	CO3	Describe specific human and non-human parasitic diseases	
	CO4	Observe live parasitic specimens	
	CO5	Report on observations of biological specimens such as parasites	
	CO6	Appraise the impacts of parasitic diseases on human societies	
	CO7	Evaluate the complexity of the parasite / host relationship (parasite evasion mechanisms vs host defensive mechanisms)	



Attainment of Course Outcomes: DEPARTMENT OF BOTANY (UG)

Result Analysis

Name of Department : Botany

Class : B. Sc. - I

Semester : I

Paper No and Name : Cryptogams & Morphology of Angiosperms

Name of Examination : Oct/ Nov 2022

Sl. No	Result details		Number of Students	Number of Students
			Paper- Cryptogams-I	Paper- Morphology of Angiosperms
1	Admitted		82	82
2	Appeared		82	82
3	Passed with Grade	O	00	00
		A++	00	00
		A+	08	09
		A	05	04
		B+	09	10
		B	23	24
		C+	12	11
		C	00	00
		D	00	00
4	Failed		16	17
5	Absent		09	09
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		69.51	68.29

Attainment of Outcomes [Attainment Level 3 (H)]

S.R No	Name of the Course	Course Code	Program Specific Outcomes
1	I. Diversity of Cryptogams - I	B-2061	1. The students will be able to understand the Structure and reproduction of certain selected algae, fungi. 2. learn about the importance of the plant diversity. 3. they Will know the economic values of this lower group of plant community.
2	II. Morphology of Angiosperms	B-2056	1. The Students will understand various Angiosperm plant habits. 2. Learn about vegetative and reproductive structural features of Angiosperms. 3. Understand various modifications and its purpose in plant parts.



Result Analysis

Name of Department : Botany
Class : B. Sc. - I
Semester : II
Paper No and Name : Cryptogamy & Histo. Anatomy and Embryology
Name of Examination : March/April 2023

Sl. No	Result details		Number of Students	Number of Students
			Paper- Cryptogams-II	Paper- Anatomy and Embryology
1	Admitted		68	68
2	Appeared		68	68
3	Passed with Grade	O	00	00
		A++	15	16
		A+	13	14
		A	13	12
		B+	9	9
		B	1	1
		C+	03	03
		C	00	00
		D	00	00
4	Failed		14	13
5	Absent		00	00
6	$\frac{\text{Total passing \%} = \frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		79.41	80.88

Attainment of Outcomes [Attainment Level 3 (H)]

S.R No	Name of the Course	Course Code	Program Specific Outcomes
1	V. Diversity of Cryptogams - II		1. The students will learn about the structure and reproduction of certain selected species of and bryophytes, pteridophytes and Gymnosperms 2. learn few representatives of fossil forms.
2	VI. Histology, Anatomy and Embryology	Y-2074	1. The students will learn about the basic concepts in anatomy. 2. Understand the various components of stem and wood during its secondary growth. 3. be enlightened about the mechanism of pollination and basic structure of the embryo.



Result Analysis

Name of Department : Botany
Class : B. Sc. - II
Semester : III
Paper No and Name : Taxonomy of Angio. & Plt. Ecology
Name of Examination : Oct/ Nov 2022

Sl. No	Result details	Number of Students Paper- Taxonomy of Angio.	Number of Students Paper- Plant Ecology
1	Admitted	31	31
2	Appeared	31	31
3	Passed with percentage	41% - 50.99 %	04
		51% - 59.99 %	07
		60 % and above	14
4	Failed	02	01
5	Absent	04	04
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$	80.64	83.87

Course	Course Outcome		Attainment Level
IX. Taxonomy of Angiosperms	CO1	Comprehend the concepts of plant taxonomy.	3 (H)
	CO2	Learn about various Angiosperm families and its economic value.	

Course	Course Outcome		Attainment Level
X. Plant Ecology	CO1	The students will understand the basic concepts of general geology, ecology And phytogeography.	3 (H)
	CO2	Learn about the analyze and basic principles of Ecology.	
	CO3	Understand the importance of ecology And Conservation.	



Result Analysis

Name of Department : Botany
Class : B. Sc. - II
Semester : IV
Paper No and Name : Gymno. & Uti. of plants & Plt. Physio.
Name of Examination : March/April 2023

Sl. No	Result details		Number of Students Paper- Gymno. & Uti. of plants	Number of Students Paper- Plant Physiology
1	Admitted		34	34
2	Appeared		34	34
3	Passed with percentage	41% - 50.99 %	00	00
		51% - 59.99 %	07	09
		60 % and above	21	20
4	Failed		06	05
5	Absent			
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$		82.35	85.34

Course	Course Outcome		Attainment Level
XIII. Gymnosperms and Utilization of plants	CO1	Know the characters of Gymnosperms.	3 (H)
	CO2	The students will understand the use of the plant resources to produce valuable products.	
	CO3	Be enlightened about the opportunities for income and employment generation.	
	CO4	Be able to develop the ability to think and create useful plant products.	

Course	Course Outcome		Attainment Level
XIV. Plant Physiology	CO1	The students will learn about absorption, translocation and utilization of water and other minerals.	3 (H)
	CO2	Comprehend the changes during growth process (germination to abscission).	
	CO3	Understand the energy flow and various metabolic cycles with their integration.	
	CO4	Get an overall perception about various physiological processes occurring in plants.	



Result Analysis

Name of Department : Botany
Class : B. Sc. - III
Semester : V
Paper No and Name : Cell & Mol. Bio & Plt. Pathology
Name of Examination : Oct/ Nov 2022

Sl. No	Result details	Number of Students Paper- Cell & Mol. Biology	Number of Students Paper- Plant Pathology
1	Admitted	48	48
2	Appeared	46	46
3	Passed with percentage		
	41% - 50.99 %	03	02
	51% - 59.99 %	07	08
	60 % and above	34	35
4	Failed	02	01
5	Absent	00	00
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$	95.65	93.75

Course	Course Outcome		Attainment Level
XVII. Cell Biology and Molecular Biology	CO1	The students will be able to learn about then basics of cell and its inclusions.	3 (H)
	CO2	By the end of this course students will be able to understand the structure of cells in relation to the functional aspects.	
	CO3	To understand the difference between prokaryotic and eukaryotic cells.	
	CO4	To learn the functioning of the cell at the molecular level.	
	CO5	To understand the properties of nucleicacids (DNA & RNA).	

Course	Course Outcome		Attainment Level
XVIII(C) Plant Pathology	CO1	Know the terminologies in plantpathology.	3 (H)
	CO2	Understand the scope and importance of Plant Pathology.	
	CO3	Know the control measures of plant diseases.	



Result Analysis

Name of Department : Botany

Class : B. Sc. - III

Semester : VI

Paper No and Name : Genetics & Biotechnology & Eco. Botany

Name of Examination : March/April 2023

Sl. No	Result details	Number of Students Paper- Genetics & Biotechnology	Number of Students Paper- Microbiology and Disease Management
1	Admitted	55	55
2	Appeared	55	55
3	Passed with percentage		
	41% - 50.99 %	01	01
	51% - 59.99 %	16	16
	60 % and above	34	32
4	Failed	04	06
5	Absent		
6	Total passing % = $\frac{\text{Passed students}}{\text{Appeared Students}} \times 100$	92.72	89.09

Course	Course Outcome		Attainment Level
XXI. Genetics and Biotechnology	CO1	Understand the basic concepts of mendelian genetics, its variations and applications.	3 (H)
	CO2	Have a basic understanding of the plant genetic transformation methods.	
	CO3	The students will understand the basic Concepts of genome organization in plants.	
	CO4	Be fully aware of the basics and applications of plant biotechnology.	

Course	Course Outcome		Attainment Level
XXII (C) Microbiology and Disease Management	CO1	The students will get an understanding about the diversity of microbes.	3 (H)
	CO2	They will learn the potentialities of microbes Enhancing human welfare.	
	CO3	They Will be enlightened about the role of Microbes ecological balancing of nature.	



Attainment of Course Outcomes: DEPARTMENT OF BOTANY (PG)

Course	Course Outcome		Attainment Level
BOT 401 CELL BIOLOGY	CO1	After successful completion of this course, students will be able to: The cell structures in relation to function of cells the fundamental unit of life, are concerned in this course along with molecules present in cells.	3 (H)
	CO2	Apply the principles of cell biology in designing experiment, statistical analysis, and interpretation of results.	
	CO3	Operate and solve exercise using computation statistics software. Get acquitted with basic approach in the research methodology.	

Course	Course Outcome		Attainment Level
BOT 402 MOLECULAR BIOLOGY	CO1	After successful completion of this course, students will be able to: Acquaint with concepts in prokaryotic, eukaryotic and viral genetics.	3 (H)
	CO2	Explain central dogma of molecular biology (Replication, transcription, translation).	
	CO3	Enlist and explain types of mutation, gene regulation and transposable element.	

Course	Course Outcome		Attainment Level
BOT 402 MOLECULAR BIOLOGY	CO1	After successful completion of this course, students will be able to: Acquaint with concepts in prokaryotic, eukaryotic and viral genetics.	3 (H)
	CO2	Explain central dogma of molecular biology (Replication, transcription, translation)	
	CO3	Enlist and explain types of mutation, gene regulation and transposable element.	
	CO4	Conversant with Laboratory Techniques viz. Microscopy, SEM & TEM, Ultracentrifugation, fractionation, Electrophoresis, PCR, GISH, FISH and Immunochemical techniques. The flow cytometry and confocal microscopy in karyo type analysis.	
	CO5	Isolation of plant DNA and its quantification.	
	CO6	Isolation of RNA and its quantification.	
	CO7	Estimation of seed proteins.	



Course	Course Outcome		Attainment Level
BOT 403 BIOLOGY AND DIVERSITY OF VIRUS, PHYTOPLASM,	CO1	After successful completion of this course, students will be able to: Comprehend the diversity of lower cryptogams (Algae, Fungi, Bacteria, Phytoplasma and viruses. Collection and study of algae, fungi, bacteria from different localities, Identification up to generic level.	3 (H)
	CO2	Recognize the morphology, anatomy, physiology, reproduction and life cycle pattern.	
	CO3	Their diversification and familiarize with various ecological niche. Positive and negative values.	

Course	Course Outcome		Attainment Level
BOT 404 TAXONOMY OF ANGIOSPERMS	CO1	After successful completion of this course, students will be able to: Study of plant morphology.	3 (H)
	CO2	Description of a plant specimen.	
	CO3	Study of at least 20 locally available families of flowering plants.	
	CO4	Identification of genus and species of locally available wild plants.	
	CO5	Preparation of botanical keys at generic level by locating key characters.	
	CO6	Knowledge of atleast 10 medicinal plant species.	
	CO7	Knowledge of secondary metabolites and its use in taxonomy.	

Course	Course Outcome		Attainment Level
BOT 405 CYTOLOGY AND GENETICS	CO1	After successful completion of this course, students will be able to: Know about the induction of polyploidy in plants using Colchicines, methods of application of colchicine.	3 (H)
	CO2	Isolation of biochemical mutants following physical and chemical mutagenic.	
	CO3	Isolation of chlorophyll mutants following physical and chemical mutagenic treatments.	
	CO4	Isolation of morphological mutants following physical and chemical mutagenic treatments.	



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	CO5	Karyotype analysis, Meiosis of complex translocation heterozygotes.	
	CO6	Meiotic behavior of monosomy, trisomy in plants and its effect.	
	CO7	Chromosomal behavior in mutagen treated plants. Chromatin organization, Structural and Numerical alterations in chromosomes.	

Course	Course Outcome		Attainment Level
BOT 406 PLANT DEVELOPMENT AND REPRODUCTION	CO1	After successful completion of this course, students will be able to: Know about plants anatomical structure, their developmental patterns.	3 (H)
	CO2	Plant reproductive parts development of male, female gametophytes and fruits.	
	CO3	Vascular tissues and its constituents by sections and maceration, wood anatomy, TS, TLS and RLS.	
	CO4	Mechanical tissues (Collenchyma, Sclerenchyma, Stone cells and Xylem), Secretory tissues (Mucilage Canals, Resin canals, Nectaries, and oil glands), laticifers (Latex cells and Vessels).	
	CO5	Normal and abnormal secondary growth etc.	

Course	Course Outcome		Attainment Level
BOT 407 BIOTECHNOLOGY	CO1	After successful completion of this course, students will be able to: Know about Equipment's required in Tissue culture Lab.	3 (H)
	CO2	Media preparation techniques for different plants.	
	CO3	Sterilization techniques for media as well as for explants.	
	CO4	Explant Culture. Anther culture Pollen culture, Micropropagation. Embry rescue technique.	
	CO5	Some clonal variation. <i>In vitro</i> mutation. Isolation of plant proto plasts and viability testing.	
	CO6	Protoplast fusion techniques. Tissue culture of important Horticultural, medicinal plants.	



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Course	Course Outcome		Attainment Level
BOT 408 PLANT PHYSIOLOGY		After successful completion of this course, students will be able to:	3 (H)
	CO1	After completion of the course the students are familiar with various physiological aspects involved in the plant development.	
	CO2	Also the role of enzymes in it and mechanism of photosynthesis, respiration, nitrogen and lipid metabolism.	
	CO3	The students are able to isolate starch, pectin and various nutritive products from the plants.	
	CO4	Qualitative and quantification of the plant contents and its biochemistry and mode /mechanism of synthesis etc.	

Course	Course Outcome		Attainment Level
BOT 501 BIOLOGY AND DIVERSITY OF BRYOPHYTES, PTERIDOPHYTES AND GYMNOSPERMS	CO1	After successful completion of this course, students will be able to: To know about morphological, anatomical and developmental patterns in the bryophytes, pteridophytes and gymnosperms.	3 (H)
	CO2	To know about the reproductive parts their development and mechanism of reproduction and lifecycle pattern.	
	CO3	Thallus and wood anatomy, Mechanical tissues (Collenchyma, Sclerenchyma, Stonecells and Xylem), Secretary tissues (Mucilage Canals, Resin canals, Nectaries, and oil glands), laticifers (Latex cells and Vessels).	
	CO4	Economic values of the lower plants.	

Course	Course Outcome		Attainment Level
BOT 502 ECOLOGY AND CONSERVATION	CO1	On completion of this course the students are able to analyze various types of ecosystems, correlate different ecosystems.	3 (H)
	CO2	To analyze the threat and suggest conservative measures.	



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	CO3	The students are also trained in the environmental impact analysis.	
	CO4	Students are able to analyze, monitor various physical, chemical and biological properties of soil water and air.	

Course	Course Outcome		Attainment Level
BOT 521 APLANT PATHOLOGY –I	CO1	Describe the introduction, definition of different terms and basic concepts of mycology.	3 (H)
	CO2	Elaborate the importance of mycology in agriculture, relation of fungi to human affairs and historical landmarks of mycology.	
	CO3	Elaborate the concepts of nomenclature and classification, fungal biodiversity, reproduction in fungi.	
	CO4	Explain the comparative morphology, ultrastructure, characters of different groups of fungi up to generic level: (a) Myxomycota and (b) Eumycota- i) Mastigomycotina ii) Zygomycotina, iii) Ascomycotina, iv) Basidiomycotina, v) Deuteromycotina.	
	CO5	Identify the origin of the principal microorganisms of importance in the industrial environment.	
	CO6	Know the role of microorganisms in different production processes in order to improve these processes and ensure their success.	

Course	Course Outcome		Attainment Level
BOT 522BPLANT PATHOLOGY –II	CO1	After completion of the course the students are able to: Describe in detail definitions, concept, history of plant disease. Provide basic understanding about biotic and abiotic factors and causes of plant disease.	3 (H)
	CO2	Develop an understanding about growth, reproduction and role of environment in plant diseases.	
	CO3	Enumerate and explain recognition concept and infection, symptomatology, disease development- role of enzymes, toxins, growth regulators; defense strategies- oxidative burst; Phenolics, Phytoalexins, PR proteins, Elicitors. Altered plant metabolism as affected by plant pathogens.	



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	CO4	Develop an understanding about genetics of resistance; 'R' genes; mechanism of genetic variation in pathogens; molecular basis for resistance; marker-assisted selection; genetic engineering for disease resistance.	
	CO5	Explain in detail different plant management strategies.	

Course	Course Outcome		Attainment Level
BOT 525/ BOT 526 SERVICE COURSE	CO1	After completion of the course the students are able to: The students can correlate the knowledge gained in this subject with his principle subject.	3 (H)
	CO2	This gives an opportunity to learn other subjects of his interest which is not offered in his principle subject.	

Course	Course Outcome		Attainment Level
BOT 504 BIOPROSPECTING AND PLANT RESOURCE UTILIZATION	CO1	On completion of this course, the students will be able to: Understand core concepts of Economic Botany and relate with environment, populations, communities, and ecosystems.	3 (H)
	CO2	Develop critical understanding on the evolution of concept of organization of apex new crops/varieties, importance of germplasm diversity, issues related to access and ownership.	
	CO3	Develop a basic knowledge of taxonomic diversity and important families of useful plants.	
	CO4	Understand the common cultivation methods of microalgae including photobioreactors and open ponds, Seaweed bio-resources etc.	
	CO5	Appreciate the diversity of plants and the plant products in human use.	
	CO6	Understand the concept of IPR, various legal issues related to IPR.	
	CO7	Exploring the potential of Marine bioresources, Microbial, medicinal plants etc.	
	CO8	Various phytochemical techniques, industrial process, pharmacognostic procedures, authentication of specimens, Preservation of plants and plants products.	

Course	Course Outcome		Attainment Level
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BOT 505 GENETIC ENGINEERING AND BIOINFORMA TICS	CO1	After completion of the course the students are able to: To use genetic engineering tools in crop improvement.	3 (H)
	CO2	Use the Bioinformatics tool in biological data analysis.	
	CO3	Able to explain the methods used for characterizing and managing biological data. Classify different types of Biological Data bases.	

Course	Course Outcome		Attainment Level
BOT 523 BPLANT PATHOLOGY – III	CO1	After completion of the course the students are able to: Explain the principles of plant disease management by cultural, physical, biological, chemical, organic amendments and botanicals methods of plant disease control, integrated control measures of plant diseases.	3 (H)
	CO2	Describe the disease resistance and molecular approach for disease management.	
	CO3	Describe the foliage, seed and soil application of chemicals, role of stickers, spreaders and other adjuvants, health vis-a-vis environmental hazards, residual effects and safety measures.	
	CO4	Understanding of history of fungicides, bactericides, antibiotics, concepts of pathogen, immobilization, chemical protection and chemotherapy, nature, properties and mode of action of antifungal, antibacterial and antiviral chemicals.	

Course	Course Outcome		Attainment Level
BOT 524 (B) PLANT PATHOLOGY – IV	CO1	After completion of the course the students are able to: Develop an understanding about growth, reproduction and role of environment in plant diseases.	3 (H)
	CO2	Describe the introduction, definition, concept and tools of disease management, components of integrated disease management- their limitations and implications.	
	CO3	Understanding the development of IDM- basic principles, biological, chemical and cultural disease management.	
	CO4	Understanding the IDM in important crops- rice, wheat, cotton, sugarcane, chickpea, rapeseed- mustard, pearl millet, kharif pulses, vegetable crops and fruit crops.	



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Course	Course Outcome		Attainment Level
BOT 525 PROJECT WORK	CO1	On completion of the research project the students will be able to: Design the experiments of his interest and execute it.	3 (H)
	CO2	Trained in handling of the basic and advance instruments.	
	CO3	Generate the data, compile and analyze and interpret the data.	
	CO4	Presentation skill is developed in the students.	
	CO5	The student is ready to work in any R & D setup.	