



Kopergaon Taluka Education Society's

K. J. Somaiya College of Arts, Commerce and Science, Kopergaon

Criterion 2 –

Teaching-learning and Evaluation

Key Indicator- 2.6 Student Performance and Learning Outcomes

2.6.2 QIM – Attainment of POs and COs are evaluated

2.6.2 C

**Finalized process of COs, POs
and PSO's analysis and
attainment**

(Representative)



**Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopergaon**

Department of English

Course Outcome and Program Outcome Attainment Worksheet for Courses

Academic Year	2022-23
Semester	V
Title of Course	Compulsory English
Course Code (Theory)	35001
Course Number(Theory)	Nil
Course Code (lab)	Nil
Course Number(Lab)	Nil
Course Coordinator(Theory)	Dr.S.K.Bansode
Course Coordinator(Lab)	Not applicable



K. J. Somaiya College of Arts, Commerce and Science, Kopargaoon

Department of ENGLISH

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K. J. Somaiya College of Arts, Commerce and Science, Kopergaon

Department of ENGLISH

Program Outcome Statements

PO No.	Statements
PO1	The students should get knowledge in the humanities, social sciences, and literature fields equip them with sensibility and sensible thinking.
PO2	Students will be inspired sufficiently to think critically and take action to address the many problems that face people today and make the world a better place than it has ever been.
PO3	The B.A. program gives students the knowledge and ethical foundation they need to face life's challenges with humanity and courage.
PO4	The course of study also gives graduates the ability to take a variety of competitive exams and select the postgraduate program of their choice.
PO5	Graduate students should have a comprehensive knowledge of India's history, including key events, periods, and historical figures
PO6	Graduate students should be proficient in conducting historical research. This includes skills in archival research, source analysis, and the use of primary and secondary sources to construct historical narratives
PO7	The program should encourage students to see India's history within a global context, understanding how it has been influenced by and has influenced other regions and civilizations.
PO8	Students should be able to effectively communicate their literary knowledge and research findings through well-written essays, reports, and presentations. They should also have good oral communication skills.
PO9	Apply ethical principles and commit to professional ethics and responsibilities and general practices.
PO10	Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change learn to work collaboratively and productively in groups.



**Kopargao Taluka Education Society's K. J.
Somaiya College of Arts, Commerce and Science,
Kopargao**

Department of ENGLISH

Program Specific Outcome Statements

PSO No.	Statements
PSO1	Students should be able to communicate effectively and research findings through well-written essays, reports, and presentations.
PSO2	Student should have good oral communication skills, management and communication.
PSO3	The students should get knowledge in the humanities, social sciences, and literature fields equip them with sensibility, sensible thinking and knowledge gained to their future careers.

Kopargaoon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopargaoon



Department of English

T.Y.B.A- 2022-23 (Sem -5)

Course Name: English Compulsory

Course Outcome Statements

Course No.	Course Outcome No.	Statements	Blooms level
		At the end of the course, students will be able to:	
C201	C201.1	Identify and discuss different parts of speech.	Remember
	C201.2	Discuss different forms of effective writing .	Understand
	C201.3	Determine which soft skills are essential for a particular job or role.	Apply
	C201.4	Analyse prose .	Analyse
	C201.5	Evaluate poetry.	Evaluate



**Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopergaon**

Department of English

A.Y 2022-23(Sem 5) T.Y.B A.

Course Name: English Compulsory

Course No	Course Code	Course Name	Direct Assessment Tools			Indirect Assessment Tool
			External	Internal		
35001	35001	English Compulsory	ESE	CA1- CT	CA2- Assgn	Course Exit Survey
		Direct Attainment Ratio	70	30		
		Final Attainment Ratio	70			30

CA1- 4-Short questions	20 Marks
CA2 - 1-Assignment	10 Marks
ESE - (Covering all Cos)	30 Marks
Course Exit Survey - 5 - 10 feedback questions	



K. J. Somaiya College of Arts, Commerce and Science, Kopergaon


Department of English

T.Y.BA 2022-23 (Sem 5)

Course Name: English Compulsory

Setting CO Attainment Targets

Course No.	Course Outcome No.	Statements	Target (Class Average)	justification	CA1	CA2
C201	C201.1	Identify and discuss different parts of speech.	40%	All the CO are considered equally important, hence assigned same target for each CO.As this is basic core subject ,hence the traget assigned is 40%		Y
	C201.2	Discuss different forms of effective writing .	40%		Y	
	C201.3	Determine which soft skills are essential for a particular job or role.	40%		Y	
	C201.4	Analyse prose .	40%		Y	
	C201.5	Evaluate poetry.	40%		Y	



K. J. Somaiya College of Arts, Commerce and Science, Kopargaoon

Department of English

T.Y.BA 2022-23 (Sem 5)

Class Test-CA1 Question Paper

Course Name: English Compulsory

Course Code:23001

Class:TYBA Sem-5

Time:9.25 AM to 10.15 PM

Maximum Marks:20

Instructions

- 1) Figures to the right indicate full marks
- 2) Assume suitable data wherever necessary with justification

Q1. Attempt any one of the followings. (1 X 5 = 05)			Course Outcome
a	Examine the theme of greed in the story 'The Phantom Luncheon'.		CO2

Q2. Attempt any one of the followings. (1 X 5 = 05)			Course Outcome
a	What is non-verbal communication?		CO3

Q3. Attempt any one of the followings. (1 X 5 = 5)			Course Outcome
a	Draw a character sketch of Lady Drakmantan in breif.		CO4

Q4. Attempt any one of the followings. (1 X 5 = 5)			Course Outcome
a	Discuss the significance of the title 'Strange Meeting'.		CO5
b	Write a summary of the poem 'Have You Got a Brook in Your Little Heart'.		CO5

Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopargaon

Department of English

TYBA-2022-23 (Sem 5)

Course Name: English Compulsory

Course Code:35001

Class Test-CA1 Assessment

Sr. No.	Roll No.	Name	Q.1	Q.2	Q.3	Q.4	Total
			CO2	CO3	CO4	CO5	
			5	5	5	5	20
1		GHOTEKAR SAURABH SUBHASH	5	4	5	5	19
2		JADHAV SHUBHAM APPASAHEB	4	5	5	5	19
3		JAWALE SHRUTIK AHILAJI	4	4	4	4	16
4		BODAKHE AKASH ASHOK	5	4	5	5	19
5		KULKARNI SHREYA BALKRUSHNA	5	5	5	4	19
6		RUIKAR GAYATRI ARVIND	4	5	4	5	18
7		SINGAR OMKAR BHAUSAHEB	5	5	4	5	19
8		SOLAT SURAJ NANDU	4	5	5	5	19
9		SONAWANE AMOL RAJENDRA	5	5	4	5	19
10		THOMBARE GAURI WALMIK	4	5	5	5	19
11		BHOI TEJAS PRADIP	4	5	4	5	18
12		GADEKAR AKASH VITTHAL	5	5	4	5	19
13		GHOTEKAR TUSHAR ARUN	4	5	5	5	19
14		SAYYAD TANVIR HARUN	4	5	4	5	18
15		NIKAM AMOL ASHOK	5	4	5	4	18
16		AVHAD TEJAS SANJAY	4	5	4	5	18
17		CHAUDHARI SHRAVAN TUKARAM	4	4	5	5	18
18		GORDE PRASHANT NAVANATH	4	5	4	5	18
19		PANDORE PAWAN BALASAHEB	5	4	5	5	19
20		SHELKE RUTUJA RAMDAS	5	5	4	4	18
21		SONAWANE ASHWIN RAVINDRA	4	5	5	5	19
22		GHOTEKAR AKASH PRAKASH	5	4	5	4	18
23		KAHAR VAISHNAVI SURESH	4	5	4	5	18
24		KHALKAR ADITYA SURESH	5	4	5	4	18
25		MEHERE RAHUL SANJAY	5	4	5	5	19
26		MOGAL SAIRAJ SURESH	5	5	4	5	19
27		NAWALE GANESH BABASAHEB	5	4	5	5	19
28		GAIKWAD SHUBHAM BHANUDAS	5	5	4	5	19
29		JAWALE GAYATRI SHANTILAL	5	5	5	4	19
30		PAGARE SHRADDHA SANJAY	4	5	5	5	19
31		CHAUDHARI SONU GORAKSHNATH	5	4	5	5	19
32		CHOPADE BHAGYASHRI SANJAY	5	4	4	5	18
33		MANE PRITESH ARUN	5	5	4	5	19
34		NIKUMBH HERAMBH SHAM	4	5	4	5	18
35		PAWAR ABHISHEK RAMDAS	5	4	5	4	18
36		SAWANT VIKRAM APPASAHEB	4	5	4	5	18
37		WAYKAR POONAM BALASAHEB	5	4	5	4	18
38		KAMBLE GAURI BHAGWAN	5	5	4	5	19
39		SHAIKH SANIYA AHMED	5	4	5	4	18
40		SUPEKAR DIPALI SAMBHAJI	5	4	5	5	19
41		ZURALE PRANALI NARAYAN	5	5	4	4	18
42		AHER LAKHAN NAVNATH	5	4	5	5	19
43		KADAM RUSHIKESH DIGAMBAR	5	5	4	4	18
44		MALKAR PRASAD DATTATRAY	4	5	4	5	18
45		PATHARE ASHWINI BABASAHEB	5	5	5	4	19
46		PAWAR PRAVIN DHARMA	4	5	4	5	18

47	RANDHIR PRASHANT BALASAHEB	5	5	4	4	18
48	SONAWANE SHUBHAM NIVRUTTI	4	5	5	4	18
49	THORAT AJAY KANTILAL	4	4	5	5	18
50	THORAT RISHABH SATISH	5	5	5	4	19
51	ADHAV NIKHIL VIJAYANAND	5	5	4	5	19
52	ADHAV SHUBHAM SUNIL	5	5	4	4	18
53	DIVATE GAURI AJAY	5	5	5	5	20
54	DUNBALE SINHA DILIP	5	5	4	5	19
56	KAJALE VAISHNAVI SANDEEP	5	4	5	4	18
57	KEKAN VISHAL SUBHASH	5	4	5	4	18
58	KHANDIZOD SAGAR BALIRAM	4	5	4	5	18
59	MORE VAIBHAV GHANSHAM	5	5	4	4	18
60	PACHORE AKANKSHA ANNASAHEB	4	5	5	4	18
61	SAWANT KAILAS NAGESH	4	5	4	5	18
62	SAYYAD RAJIYA NOORMOHANMAD	5	4	5	4	18
63	SHINDE PRATIK VIJAY	4	5	4	5	18
64	THOMBARE HARSHVARDHAN SAHEBRAO	5	4	5	5	19
65	AVHAD SATISH BALASAHEB	4	5	4	5	18
66	BHALERAU VISHAL RAMNATH	4	5	5	4	18
67	BONDKHAL ASHWINI SHIVAJI	4	5	4	4	17
68	BURUNGULE AMOL SOMNATH	4	5	5	4	18
69	DABHADE KRUSHNA KASHINATH	4	4	5	5	18
70	FULPAGARE HARSHAL ANIL	4	5	5	4	18
71	KURAHAD BHOLENATH SOMNATH	5	4	4	5	18
72	MEHERKHAMB PRERANA SUNIL	5	5	5	4	19
73	PACHORE SHUBHAM BALASAHEB	5	4	5	5	19
74	PENDHARE CHAITALI PRAKASH	5	5	5	4	19
75	SABLE GAURI MADHUKAR	5	5	5	5	20
76	SHINDE AVINASH BALASAHEB	5	5	5	4	19
78	GAWALI ISHWAR SUNIL	4	5	5	5	19
79	KADALE VISHAL BALU	5	5	5	4	19
80	KANADE SIYA SANJAY	5	5	5	4	19
81	LAKARE ANKUSH KISAN	5	5	4	5	19
82	LAKARE GAYATRI ISHWAR	4	5	4	5	18
83	MEHERE ROHAN BHAUSAHEB	5	5	5	4	19
84	MIND ROHINI RAOSAHEB	4	5	4	4	17
85	NAJAN VISHAL CHANDRAKANT	4	5	4	5	18
86	SHARMA RADHIKA MOHAN	5	4	4	4	17
87	CHAVANKE SAPANA BHAUSAHEB	3	5	5	5	18
88	DODKE SAPNA BABAN	5	5	5	5	20
89	DUSANE AISHWARYA PRADEEP	5	5	5	5	20
90	KHATIK FAYZA YUNUS	4	5	5	4	18
91	MADHAVAI RUSHIKESH DATTATRAY	5	5	5	5	20
92	MAGAR KIRAN MACHHINDRA	4	5	5	4	18
93	SAYYAD AALIYA EJAZ	4	5	5	4	18
94	SHAIKH ANAJAR JALIM	5	4	5	4	18
95	SHAIKH MAHEVISH ANIS	4	5	5	5	19
96	GARUD SUMIT GOPINATH	4	4	4	4	16
97	GURSAL RUSHIKESH BALASAHEB	4	4	4	4	16
98	HADOLE SACHIN DATTATRAY	5	5	4	5	19
99	MALI SUVARNA SHIVAJI	5	5	4	5	19
100	PATHAN ALTAP NASHIB	5	5	5	4	19
101	PAWAR BHUSHAN RAJESH	5	4	5	4	18
102	POTE ALKA HARICHANDRA	5	5	4	5	19
		4.5588	4.6863	4.5588	4.5686	
		CO2	CO3	CO4	CO5	
		59	70	57	58	

Attainment:	Y	Y	Y	Y
% attainment	98.333	116.67	95	96.667

Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopargaon



Department of English

T.Y.B.A 2022-23 (Sem 5)

Course Name: Compulsory English

Course Code:35001

Assignment No. 1

Questions	CO
Q.1) Effective communication process is a two-way process. Explain.	CO1



Kopergaon Taluka Education Society's
**K. J. Somaiya College of Arts, Commerce and
Science, Kopergaon**

Department of English

Course Name: English Compulsory

Class: TYBA-Sem-5

Course Code: 35001

Roll No.	Name of Student	Assign 1 (10) CO1
1	GHOTEKAR SAURABH SUBHASH	8
2	JADHAV SHUBHAM APPASAHEB	8
3	JAWALE SHRUTIK AHILAJI	9
4	BODAKHE AKASH ASHOK	9
5	KULKARNI SHREYA BALKRUSHNA	8
6	RUIKAR GAYATRI ARVIND	9
7	SINGAR OMKAR BHAUSAHEB	8
8	SOLAT SURAJ NANDU	9
9	SONAWANE AMOL RAJENDRA	8
10	THOMBARE GAURI WALMIK	8
11	BHOI TEJAS PRADIP	8
12	GADEKAR AKASH VITTHAL	9
13	GHOTEKAR TUSHAR ARUN	9
14	SAYYAD TANVIR HARUN	8
15	NIKAM AMOL ASHOK	9
16	AVHAD TEJAS SANJAY	8
17	CHAUDHARI SHRAVAN TUKARAM	9
18	GORDE PRASHANT NAVANATH	8
19	PANDORE PAWAN BALASAHEB	8
20	SHELKE RUTUJA RAMDAS	8
21	SONAWANE ASHWIN RAVINDRA	9
22	GHOTEKAR AKASH PRAKASH	9
23	KAHAR VAISHNAVI SURESH	8
24	KHALKAR ADITYA SURESH	9
25	MEHERE RAHUL SANJAY	8
26	MOGAL SAIRAJ SURESH	8
27	NAWALE GANESH BABASAHEB	9
28	GAIKWAD SHUBHAM BHANUDAS	8
29	JAWALE GAYATRI SHANTILAL	9
30	PAGARE SHRADDHA SANJAY	9
31	CHAUDHARI SONU GORAKSHNATH	8
32	CHOPADE BHAGYASHRI SANJAY	9
33	MANE PRITESH ARUN	9
34	NIKUMBH HERAMBH SHAM	8
35	PAWAR ABHISHEK RAMDAS	8
36	SAWANT VIKRAM APPASAHEB	8
37	WAYKAR POONAM BALASAHEB	8
38	KAMBLE GAURI BHAGWAN	9
39	SHAIKH SANIYA AHMED	9
40	SUPEKAR DIPALI SAMBHAJI	8
41	ZURALE PRANALI NARAYAN	9
42	AHER LAKHAN NAVNATH	8
43	KADAM RUSHIKESH DIGAMBAR	9
44	MALKAR PRASAD DATTATRAY	8
45	PATHARE ASHWINI BABASAHEB	8
46	PAWAR PRAVIN DHARMA	8
47	RANDHIR PRASHANT BALASAHEB	9
48	SONAWANE SHUBHAM NIVRUTTI	8
49	THORAT AJAY KANTILAL	8

50	THORAT RISHABH SATISH	9
51	ADHAV NIKHIL VIJAYANAND	9
52	ADHAV SHUBHAM SUNIL	8
53	DIVATE GAURI AJAY	10
54	DUNBALE SINHA DILIP	8
55	GAIKWAD SONALI ASHOK	8
56	KAJALE VAISHNAVI SANDEEP	8
57	KEKAN VISHAL SUBHASH	8
58	KHANDIZOD SAGAR BALIRAM	9
59	MORE VAIBHAV GHANSHAM	9
60	PACHORE AKANKSHA ANNASAHEB	8
61	SAWANT KAILAS NAGESH	9
62	SAYYAD RAJIYA NOORMOHANMAD	8
63	SHINDE PRATIK VIJAY	8
64	THOMBARE HARSHVARDHAN SAHEBRAO	8
65	AVHAD SATISH BALASAHEB	9
66	BHALERAO VISHAL RAMNATH	9
67	BONDKHAL ASHWINI SHIVAJI	8
68	BURUNGULE AMOL SOMNATH	9
69	DABHADE KRUSHNA KASHINATH	8
70	FULPAGARE HARSHAL ANIL	8
71	KURAHADDE BHOLENATH SOMNATH	8
72	MEHERKHAMB PRERANA SUNIL	9
73	PACHORE SHUBHAM BALASAHEB	9
74	PENDHARE CHAITALI PRAKASH	8
75	SABLE GAURI MADHUKAR	10
76	SHINDE AVINASH BALASAHEB	9
77	BHAGWAT AKSHAYKUMAR RAJENDRA	8
78	GAWALI ISHWAR SUNIL	8
79	KADALE VISHAL BALU	8
80	KANADE SIYA SANJAY	8
81	LAKARE ANKUSH KISAN	9
82	LAKARE GAYATRI ISHWAR	9
83	MEHERE ROHAN BHAUSAHEB	8
84	MIND ROHINI RAOSAHEB	9
85	NAJAN VISHAL CHANDRAKANT	8
86	SHARMA RADHIKA MOHAN	9
87	CHAVANKE SAPANA BHAUSAHEB	9
88	DODKE SAPNA BABAN	9
89	DUSANE AISHWARYA PRADEEP	10
90	KHATIK FAYZA YUNUS	9
91	MADHAVAI RUSHIKESH DATTATRAY	9
92	MAGAR KIRAN MACHHINDRA	10
93	SAYYAD AALIYA EJAZ	9
94	SHAIKH ANAJAR JALIM	9
95	SHAIKH MAHEVISH ANIS	9
96	GARUD SUMIT GOPINATH	9
97	GURSAL RUSHIKESH BALASAHEB	8
98	HADOLE SACHIN DATTATRAY	9
99	MALI SUVARNA SHIVAJI	9
100	PATHAN ALTAP NASHIB	8
101	PAWAR BHUSHAN RAJESH	9
102	POTE ALKA HARICHANDRA	8
Total		8.539215686

Number above Average	51
% Attainment	85



Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopargaon

Department of English

TYBA-2022-23(Sem 5)

Course Name: English Compulsory

Course Code:35001

Roll No	Name of Student	CA1 (20)	CA2 (10)	CA Total (30)	Uni Exam 70	Total Marks 100
1	GHOTEKAR SAURABH SUBHASH	17	8	25	50	75
2	JADHAV SHUBHAM APPASAHEB	17	8	25	28	53
3	JAWALE SHRUTIK AHILAJI	16	9	25	46	71
4	BODAKHE AKASH ASHOK	16	9	25	53	78
5	KULKARNI SHREYA BALKRUSHNA	19	8	27	50	77
6	RUIKAR GAYATRI ARVIND	18	9	27	36	63
7	SINGAR OMKAR BHAUSAHEB	16	8	24	28	52
8	SOLAT SURAJ NANDU	17	9	26	36	62
9	SONAWANE AMOL RAJENDRA	19	8	27	48	75
10	THOMBARE GAURI WALMIK	19	8	27	20	47
11	BHOI TEJAS PRADIP	18	8	26	39	65
12	GADEKAR AKASH VITTHAL	19	9	28	35	63
13	GHOTEKAR TUSHAR ARUN	16	9	25	60	85
14	SAYYAD TANVIR HARUN	18	8	26	29	55
15	NIKAM AMOL ASHOK	18	9	27	38	65
16	AVHAD TEJAS SANJAY	18	8	26	21	47
17	CHAUDHARI SHRAVAN TUKARAM	18	9	27	43	70
18	GORDE PRASHANT NAVANATH	18	8	26	21	47
19	PANDORE PAWAN BALASAHEB	18	8	26	45	71
20	SHELKE RUTUJA RAMDAS	18	8	26	34	60
21	SONAWANE ASHWIN RAVINDRA	15	9	24	52	76
22	GHOTEKAR AKASH PRAKASH	18	9	27	28	55
23	KAHAR VAISHNAVI SURESH	18	8	26	43	69
24	KHALKAR ADITYA SURESH	18	9	27	63	90
25	MEHERE RAHUL SANJAY	19	8	27	43	70
26	MOGAL SAIRAJ SURESH	15	8	23	42	65
27	NAWALE GANESH BABASAHEB	15	9	24	28	52
28	GAIKWAD SHUBHAM BHANUDAS	19	8	27	55	82
29	JAWALE GAYATRI SHANTILAL	19	9	28	22	50
30	PAGARE SHRADDHA SANJAY	19	9	28	46	74
31	CHAUDHARI SONU GORAKSHNATH	19	8	27	56	83
32	CHOPADE BHAGYASHRI SANJAY	18	9	27	21	48
33	MANE PRITESH ARUN	19	9	28	21	49
34	NIKUMBH HERAMBH SHAM	18	8	26	52	78
35	PAWAR ABHISHEK RAMDAS	18	8	26	41	67
36	SAWANT VIKRAM APPASAHEB	18	8	26	39	65
37	WAYKAR POONAM BALASAHEB	18	8	26	28	54
38	KAMBLE GAURI BHAGWAN	19	9	28	36	64
39	SHAIKH SANIYA AHMED	18	9	27	52	79
40	SUPEKAR DIPALI SAMBHAJI	17	8	25	28	53
41	ZURALE PRANALI NARAYAN	18	9	27	48	75
42	AHER LAKHAN NAVNATH	17	8	25	59	84
43	KADAM RUSHIKESH DIGAMBAR	18	9	27	39	66
44	MALKAR PRASAD DATTATRAY	18	8	26	42	68
45	PATHARE ASHWINI BABASAHEB	19	8	27	56	83
46	PAWAR PRAVIN DHARMA	18	8	26	56	82
47	RANDHIR PRASHANT BALASAHEB	18	9	27	46	73
48	SONAWANE SHUBHAM NIVRUTTI	18	8	26	50	76
49	THORAT AJAY KANTILAL	18	8	26	28	54

50	THORAT RISHABH SATISH	19	9	28	22	50
51	ADHAV NIKHIL VIJAYANAND	19	9	28	22	50
52	ADHAV SHUBHAM SUNIL	18	8	26	56	82
53	DIVATE GAURI AJAY	20	10	30	63	93
54	DUNBALE SINHA DILIP	19	8	27	56	83
55	GAIKWAD SONALI ASHOK	18	8	26	21	47
56	KAJALE VAISHNAVI SANDEEP	18	8	26	43	69
57	KEKAN VISHAL SUBHASH	18	8	26	55	81
58	KHANDIZOD SAGAR BALIRAM	18	9	27	33	60
59	MORE VAIBHAV GHANSHAM	18	9	27	60	87
60	PACHORE AKANKSHA ANNASAHEB	18	8	26	55	81
61	SAWANT KAILAS NAGESH	18	9	27	53	80
62	SAYYAD RAJIYA NOORMOHANMAD	18	8	26	28	54
63	SHINDE PRATIK VIJAY	17	8	25	60	85
64	THOMBARE HARSHVARDHAN SAHEBRAO	18	8	26	66	92
70	FULPAGARE HARSHAL ANIL	17	8	25	28	53
71	KURAHAD BHOLENATH SOMNATH	17	8	25	53	78
72	MEHERKHAMB PRERANA SUNIL	18	9	27	15	42
73	PACHORE SHUBHAM BALASAHEB	19	9	28	52	80
74	PENDHARE CHAITALI PRAKASH	20	8	28	56	84
75	SABLE GAURI MADHUKAR	19	10	29	41	70
76	SHINDE AVINASH BALASAHEB	18	9	27	32	59
77	BHAGWAT AKSHAYKUMAR RAJENDRA	18	8	26	28	54
78	GAWALI ISHWAR SUNIL	18	8	26	52	78
79	KADALE VISHAL BALU	18	8	26	60	86
80	KANADE SIYA SANJAY	18	8	26	69	95
81	LAKARE ANKUSH KISAN	17	9	26	54	80
82	LAKARE GAYATRI ISHWAR	17	9	26	35	61
83	MEHERE ROHAN BHAUSAHEB	18	8	26	25	51
84	MIND ROHINI RAOSAHEB	17	9	26	63	89
85	NAJAN VISHAL CHANDRAKANT	17	8	25	64	89
86	SHARMA RADHIKA MOHAN	19	9	28	50	78
87	CHAVANKE SAPANA BHAUSAHEB	20	9	29	70	99
88	DODKE SAPNA BABAN	18	9	27	47	74
89	DUSANE AISHWARYA PRADEEP	19	10	29	52	81
90	KHATIK FAYZA YUNUS	18	9	27	38	65
91	MADHAVAI RUSHIKESH DATTATRAY	17	9	26	33	59
92	MAGAR KIRAN MACHHINDRA	18	10	28	45	73
93	SAYYAD AALIYA EJAZ	17	9	26	47	73
94	SHAIKH ANAJAR JALIM	16	9	25	29	54
95	SHAIKH MAHEVISH ANIS	16	9	25	52	77
96	GARUD SUMIT GOPINATH	17	9	26	43	69
97	GURSAL RUSHIKESH BALASAHEB	19	8	27	42	69
98	HADOLE SACHIN DATTATRAY	19	9	28	46	74
99	MALI SUVARNA SHIVAJI	18	9	27	62	89
100	PATHAN ALTAP NASHIB	19	8	27	69	96
101	PAWAR BHUSHAN RAJESH	15	9	24	28	52
102	POTE ALKA HARICHANDRA	15	8	23	60	83
				26.36275	42.87255	

NO. of Students Above Avg	44	
Attainment	Y	
% Attainment	62.86	



**Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopergaon**

Department of English

TYBA-2022-23

Course Name: English-Compulsory

Semester:5

Course End Survey

Sr. No	Question	CO	Level of Agreement			Attainmen t	% Attainmen t
			Strongly (3)	Fairly (2)	Neutral (1)		
1	Are they able to Identify and discuss different parts of speech?	C201.1	92	10	0	2.1	71
2	Are they able to Discuss different forms of effective writing ?	C201.2	98	4	0	2.2	73
3	Are they able to Determine which soft skills are essential for a particular job or role?	C201.3	85	17	0	2.1	70
4	Are they able to analyse prose .?	C201.4	100	2	0	2.2	73
5	Are they able to evaluate poetry?	C201.5	100	1	1	2.2	73

Note: We should add Following survey to strengthen claim of attainment of Program outcomes

1	Exit survey	100 % students	Feedback survey should be based on POs
2	Alumni survey	10-20 % Alumni	
3	Employer survey	5-10 % Employer	



K. J. Somaiya College of Arts, Commerce and Science, Kopergaon

Department of English

T.Y.B.A-2021-22 (Sem 5)

Course Name: English Compulsory

Computation of CO Attainment

Attainment of CO using Direct Method					Computation of Total CO Attainment				
Course No.	Course Outcome No.	Internal Assessment(IA) class average %age	External Assessment (ESE)	Direct CO Attainment (30% of IA + 70% ESE)	Course No.	Course Outcome No.	Direct CO Attainment (30% of IA + 70% ESE)	Indirect CO Attainment(obtained from Exit Survey) % age	Total Co Attainment (70% of Direct Attainment + 30 % of exit survey)
C201					C213				
	C201.1	9	40	31		C201.1	31	71	43
	C201.2	5	40	29		C201.2	29	73	42
	C201.3	5	40	29		C201.3	29	77	44
	C201.4	5	40	29		C201.4	29	73	42
	C201.5	5	40	29		C201.5	29	73	42
Avg				30	Avg				43



K. J. Somaiya College of Arts, Commerce and Science, Kopergaon

Department of English

T.Y.B.A-2021-22 (Sem 5)

Course Name: English Compulsory

Computation of CO Attainment

Assessment Plan for Internal Assessment								Class Average in Internal Assessment						
Course No.	Course Outcome No.	CA1	CA2					Course No.	Course Outcome No.	CA1	CA2			Internal Assessment class average %tage
	Marks	20	10							20	10			100
C201	C201.1		40					C201	C201.1		8.54			8.54
	C201.2	40							C201.2	4.56				4.56
	C201.3	40							C201.3	4.69				4.69
	C201.4	40							C201.4	4.56				4.56
	C201.5	40							C201.5	4.57				4.57



K. J. Somaiya College of Arts, Commerce and Science, Kopargaoon

Department of English

T.Y.B.A-2022-23

Course Name: English Compulsory

CO Attainment Gap

Cour se No.	Course Outcome No.	Total CO Attainmen t %age	CO Target % age	CO Attainment Gap(Attainment - Target	Attainment by 60%	Attainm ent
C201	C201.1	43	40	3	#REF!	Y
	C201.2	42	40	2	0	Y
	C201.3	44	40	4	#REF!	Y
	C201.4	42	40	2	#REF!	Y
	C201.5	42	40	2	#REF!	Y

Closure of Quality loop

Cour se No.	Course Outcome No.	Target %age	Target achieved	Action proposed to bridge the gap	CO Attainment Gap(Attainm ent - Target
C213	C201.1	40	43	It is proposed to Identify and discuss different parts of speech..	3
	C201.2	40	42	It is proposed to Discuss different forms of effective writing . .	2
	C201.3	40	44	It is proposed to Determine which soft skills are essential for a particular job or role.	4
	C201.4	40	42	It is proposed to Analyse prose .	2
	C201.5	40	42	It is proposed to Evaluate poetry.	2

K. J. Somaiya College of Arts, Commerce and Science, Kopergaon



Department of English

T.Y.B.A-2022-23

Course Name: English Compulsory

CO-PO CORRELATION LEVEL PREDECIDED

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO.1	PSO.2	PSO.3
C201.1	✓				✓		✓			✓	✓		✓
C201.2			✓										✓
C201.3		✓						✓					
C201.4				✓					✓	✓		✓	
C201.5		✓			✓	✓					✓		

Low = 1, Moderate = 2, High = 3

CO-PO MATRIX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
C201.1	3				3		3			3	3		3
C201.2			3										3
C201.3		3						3					
C201.4				3					3	3		3	
C201.5		3			3	2					2		
C201	3	3	3	3	3	2	3	3	3	3	2.5	3	3

CO-PO MATRIX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
C201.1	H				H		H			H	H		H
C201.2			H										H
C201.3		H						H					
C201.4				H					H	H		H	
C201.5		H			H	M					M		

C201.1-PO1	It deals with evaluation of sentences and useful for real life situations.
C201.1-PO5	Sentence types, structures are part of communication skills.
C201.1-PO7	Analysis of prose and poetry develops analytical skills.
C201.1-PO10	Students learn ethical principals through reading of prose and poetry.
C201.2-PO1	Reading and studing prose and poetry inculcate lifelong and collaborative skills.
C201.2-PO5	Development of vocabulary supports development of language skills.
C201.3-PO2	Vocabulary strengthens communication skills.
C201.3-PO5	Conotative and denotative meanings build analytical skills.
C201.4-PO6	Vocabulary development boosts lifelong and collaborative skills.
C201.4-PO9	It helps to aquire knowledge and basic concepts of job letter and resume which is must for commerce graduate.
C201.4-PO10	The topic deals with corporate written communication conecpts; important aspect for commerce graduate.
C201.5-PO2	The topic deals with use of technology for preparing resume and of letters.
C201.5-PO5	It helps to built life long and collaborative skills among the students.
C201.5-PO6	It deals with fundamental skills of writing business letters.
C201.5-PO10	The topic help students to comprehend and develop effective communication skills through business letters.
C201.6-PO1	LRSW skills are part of aquiring fundamentals and knowledge related to commerce and management.
C201.6-PO2	LRSW skills is a part of skill development.
C201.6-PO5	LRSW is included in communication skills.
C201.6-PO7	LRSW is aquired though modern tools and technology.
C201.6-PO10	LRSW skills improve lifelong learning and collaborative skills.



Kopargaoon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopargaoon

Department of English

TYBA-COMPULSORY ENGLISH-SEM-5-2022-23

Course Name: English Compulsory

CO-PO & PSO MATRIX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
C201.1	3				3		3			3	3		3
C201.2			3										3
C201.3		3						3					
C201.4				3					3	3		3	
C201.5		3			3	2					2		
C201	3.00	3.00	3.00	3.00	3.00	2.00	3.00	3.00	3.00	3.00	2.50	3.00	3.00

Course No.	Course Outcome No.	Total CO Attainment %age	CO attainment
C201	C201.1	43	#REF!
	C201.2	42	0
	C201.3	44	#REF!
	C201.4	42	#REF!
	C201.5	42	#REF!

Attainment of PO/PSO=(Average of Attainments of Relevant COs)*Scale Factor

Scale Factor=(Actual Mapping Strength/Maximum Possible Mapping Strength)=Actual Mapping strength/3

35.63

PO & PSO Attainment

C213	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
Mapping Strength	3.00	3.00	3.00	3.00	3.00	2.00	3.00	3.00	3.00	3.00	2.50	3.00	3.00
Attainment %_avg	36	36	36	36	36	24	36	36	36	36	30	36	36
Attainment	35.63	35.63	35.63	35.63	35.63	23.75	35.63	35.63	35.63	35.63	29.69	35.63	35.63

Co ordi
 IQAC, K. J. Somaiya College
 Kopargaoon, Dist. A.Nagar

Principal
 K. J. Somaiya College of Arts
 Commerce & Science, Kopargaoon



K.J. Somaiya College of Arts, Commerce & Science, Kopergaon

Department of Mathematics

Course Outcome and Program Outcome Attainment Worksheet for Courses

Academic Year	2022-23
Semester	II
Title of Course	Coding Theory
Course Code (Theory)	MTUTO-147
Course Number(Theory)	10428
Course Code (lab)	Nil
Course Number(Lab)	Nil
Course Coordinator(Theory)	Ms.Bondakhil J.D.
Course Coordinator(Lab)	Not applicable



K.J. Somaiya College of Arts, Commerce & Science, Kopergaon

Department of Mathematics

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K.J. Somaiya College of Arts, Commerce & Science, Kopergaon

M.Sc.-Programme Outcome Statements

Department of Mathematics

PO No.	Statements
PO1	Knowledge Acquisition: The ability to gain knowledge through logical reasoning and develop the habit of self-learning throughout life.
PO2	Skill Development: The ability to effectively communicate thoughts and ideas through writing and oral communication
PO3	Analytical Skills: Examine ideas, evidence and experiences with an open-minded and rational mindset.
PO4	Use of Tools and Technology: Demonstrate the ability to access, evaluate and utilize appropriate software for data analysis.
PO5	Environment and Sustainability: Be aware of the challenges of environmental contexts and sustainable development.
PO6	Ethics: In their professional practices, students will have the ability to develop, internalize and exercise ethics.
PO7	Effective Citizenship: Having a clear understanding of issues and participating in civic life through volunteering.
PO8	Research related skills: Having the capacity to plan, execute and report on the results of an experiment.
PO9	Develop and carry out an experiment, demonstrating their understanding of the scientific method and processes.
PO10	Acquire, analyze and interpret diverse data using various instruments.



K.J. Somaiya College of Arts, Commerce & Science, Kopergaon

Department of Mathematics

M.Sc.(Mathematics)-Programme Specific Outcome Statements

PSO No.	Statements
PSO1	In-depth Knowledge: The students will be acquire basic and advanced knowledge of pure and applied mathematics, mathematical techniques/ methods and able to apply for solving various problems.
PSO2	Critical and Analytical Thinking: The students will be able to develop critical and logical thinking, creativity, communication skills and analyzing the results critically.
PSO3	Skills Enhancement: The students will have primary knowledge of softwares, programming and computational techniques and able to apply for mathematical analysis, data analysis, numerical analysis.



K.J. Somaiya College of Arts, Commerce & Science, Kopergaon

Department of Mathematics

A.Y 2022-23

Course Name: Coding Theory Class: M.Sc.-II Semester: II

Course Outcome Statements

Course No.	Course Outcome No.	Statements	Blooms level
	At the end of the course, students will be able to:		
10428	C147.1	Observe the different techniques of error detection.	Remember
	C147.2	Describe the sphere covering bounds, Hamming bounds and MDS codes.	Understand
	C147.3	Find the Hamming weight, Linear codes ,Generator Matrix and parity check matrix.	Evaluate
	C147.4	Analyze Generator polynomials , Decoding of cyclic codes.	Analyse
	C147.5	Determine the BCH codes and Parameters of BCH codes.	Apply



K.J. Somaiya College of Arts, Commerce & Science, Kopergaon

Department of Mathematics

A.Y 2022-23

Course Name: Coding Theory

Class:M.Sc.-II

Semester: II

Course No	Course Code	Course Name	Direct Assessment Tools				Indirect Assessment Tool
			External	Internal			
10428	MTUTO-147	Coding Theory	ESE	CA1- CT	CA2- Assignment	CA3-Oral	Course Exit Survey
		Direct Attainment Ratio	70	30			
		Final Attainment Ratio	70%				30%

CA1- 4 Short questions

20 Marks

CA2 - 5 Assignments, 5 Marks each

25 Marks

CA3- Oral

15 Marks

ESE - (Covering all Cos)

70 Marks

Course Exit Survey - 5 - 10 feedback questions



K.J. Somaiya College of Arts, Commerce & Science, Kopergaon

Department of Mathematics

A.Y 2022-23

Course Name: Coding Theory Class: M.Sc.-II Semester: II

Setting CO Attainment Targets

Course No.	Course Outcome No.	Statements	Target (Class Average)	Justification	CA1	CA2	CA3	ESE
10428	C147.1	Observe the different techniques of error detection.	60%	All the CO are considered equally important, hence assigned same target for each CO.As this is basic core subject ,hence the target assigned is 60%	Y	Y	Y	Y
	C147.2	Describe the sphere covering bounds, Hamming bounds and MDS codes.	60%		Y	Y		Y
	C147.3	Find the Hamming weight, Linear codes ,Generator Matrix and parity check matrix.	60%		Y	Y	Y	Y
	C147.4	Analyze Generator polynomials , Decoding of cyclic codes.	60%		Y	Y	Y	Y
	C147.5	Determine the BCH codes and Parameters of BCH codes.	60%			Y		Y



K.J. Somaiya College of Arts, Commerce & Science, Kopergaon

Department of Mathematics

A.Y 2022-23 Sem-II

Course Name: Coding Theory

Course Code: MTUTO-147

Class: M.Sc.-II

K.J. Somaiya College of Arts, Commerce & Science, Kopergaon

Internal Exam 2022-23 (Semester-II)

M.Sc.-II(Math)

Sub-Coding Theory

Marks: 20

Q.1) Attempt any four of the following questions.

1] Construct the incomplete maximum likelihood decoding table

For binary code $C = \{101, 011, 111\}$

[5]

2] If $C = \{0000, 1011, 0101, 1110\} \subseteq F_2^4$ is a linear code then decode

a) $W = 1101$

b) $W = 0111$

By using nearest neighbor decoding for linear code.

[5]

3] Let V be a vector space over F_q If $\dim(V) = k$ then prove that

i) V has q^k elements.

ii) V has $(1/k!) \prod_{i=0}^{k-1} (q^k - q^i)$ different bases.

[5]

4] Prove that each monic divisor of $x^n - 1$ is the generator polynomial of

some cyclic code in F_q^n .

[5]



K.J.Somaiya college,Kopergaon

Department of Mathematics

A.Y 2022-23 (Sem II) M.Sc.-II

Course Name: Coding Theory Course Code:MTUTO-147.

Class: M.Sc.-II

Class Test-CA1 Assessment

		Q.1									
		1	2	3	4	Total	CO1	CO2	CO3	CO4	CO-TOTAL
		CO1	CO2	CO3	CO4						
Sr.No.	Name	5	5	5	5	20	5	5	5	5	20
1	AHIRRAO SAYALI BHANUDAS	5	2	5	5	17	5	2	5	5	17
2	GAWALI SACHIN RAJENDRA	4	3	5	5	17	4	3	5	5	17
3	JAGTAP PALLAVI DATTU	4	5	5	4	18	4	5	5	4	18
4	MORE ASHWINI RAMJI	5	4	3	5	17	5	4	3	5	17
65	WAKCHAURE JAYASHRI RAMDAS	5	5	5	5	20	5	5	5	5	20
6	ADIK VAISHNAVI KAILAS	5	5	5	5	20	5	5	5	5	20
7	GADHAVE SULOCHANA MACHHINDRA	5	5	4	5	19	5	5	4	5	19
8	GAVHALE SHRUTIKA PANDIT	5	5	5	5	20	5	5	5	5	20
9	JOSHI VAISHNAVI NITIN	5	5	5	5	20	5	5	5	5	20
10	KALAWAGHE KALYANI ANNASAHEB	5	5	5	5	20	5	5	5	5	20
11	UGALE YOGITA RAJENDRA	5	5	5	5	20	5	5	5	5	20

4.82	4.45	4.73	4.91	18.91	4.82	4.45	4.73	4.91	18.91
CO1	CO2		CO4		CO1	CO2	CO3	CO4	
					CO1	CO2	CO3	CO4	CO-TOTAL
					5	5	5	5	20

CO Marks

Number of Students above average	9	8	9	10	7
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% Attainment

Y	Y	Y	Y	Y
81.82	72.73	81.82	90.91	63.64



K.J.Somaiya college, Kopergaon

Department of Mathematics

A.Y 2022-23 (Sem II)

Course Name: Coding Theory Course Code: MTUTO-147

Class: M.Sc.-II Sem II

Assignment No. 1 to 5

Sr. No.	Questions	CO
A1	Q.1) Solve five examples on unit-1 Error detection	CO1
A2	Q.2) Solve five examples on unit-2 Linear codes	CO2
A3	Q.3) Solve five example on unit-3 Bounds in coding theory	CO3
A4	Q.4) Solve five example on unit-4 Cyclic codes	CO4
A5	Q.3) Solve five examples on unit -5 Some special cyclic codes	CO5



K.J.Somaiya college,Kopergaon

Department of Mathematics

A.Y. 2022-23

Course Name:Coding Theory

Course Code:MTUTO-147

Class: M.Sc.-II

Name of Faculty:Ms.Bondakhal J.D.

Sr. No.	Name of Student	Assignment 1 (5)	Assignment 2 (5)	Assignment 3 (5)	Assignment 4 (5)	Assignment 5 (5)	Total	CO1	CO2	CO3	CO4	CO5
		CO1(5)	CO2(5)	CO3(5)	CO4(5)	CO5(5)	25	5	5	5	5	5
1	AHIRRAO SAYALI BHANUDAS	5	3	5	2	0	15	5	3	5	2	0
2	GAWALI SACHIN RAJENDRA	5	5	4	4	1	19	5	5	4	4	1
3	JAGTAP PALLAVI DATTU	5	5	5	5	5	25	5	5	5	5	5
4	MORE ASHWINI RAMJI	5	5	4	4	5	23	5	5	4	4	5
5	WAKCHAURE JAYASHRI RAMDAS	5	5	5	5	5	25	5	5	5	5	5
6	ADIK VAISHNAVI KAILAS	5	5	5	5	5	25	5	5	5	5	5
7	GADHAVE SULOCHANA MACHHINDRA	5	5	3	5	5	23	5	5	3	5	5
8	GAVHALE SHRUTIKA PANDIT	5	5	5	5	5	25	5	5	5	5	5
9	JOSHI VAISHNAVI NITIN	5	5	5	5	5	25	5	5	5	5	5
10	KALAWAGHE KALYANI ANNASAHEB	5	5	5	5	5	25	5	5	5	5	5
11	UGALE YOGITA RAJENDRA	4	5	5	5	5	24	4	5	5	5	5
		4.91	4.82	4.64	4.55	4.18	23.9	CO1	CO2	CO3	CO4	CO5
								4.91	4.82	4.64	4.55	4.18

CO Marks

Number above Average

% Attainment

CO1	CO2	CO3	CO4	CO5
5	5	5	5	5
10	10	8	8	9
Y	Y	Y	Y	Y
90.91	90.91	72.73	72.73	81.82



K.J.Somaiya college,Kopergaon

Department of Mathematics

A.Y 2022-23

Class: M.Sc.-II

Course Name: Coding Theory

Course Code:MTUTO-147

CA3 - Oral

Sr. No.	Name of Student	CO1 (5)	CO3(5)	CO4 (5)	Total (15)
1	AHIRRAO SAYALI BHANUDAS	5	2	5	12
2	GAWALI SACHIN RAJENDRA	3	5	5	13
3	JAGTAP PALLAVI DATTU	4	4	2	10
4	MORE ASHWINI RAMJI	2	3	5	10
5	WAKCHAURE JAYASHRI RAMDAS	5	5	5	15
6	ADIK VAISHNAVI KAILAS	5	5	5	15
7	GADHAVE SULOCHANA MACHHINDRA	5	5	5	15
8	GAVHALE SHRUTIKA PANDIT	5	5	5	15
9	JOSHI VAISHNAVI NITIN	5	5	4	14
10	KALAWAGHE KALYANI ANNASAHEB	4	5	5	14
11	UGALE YOGITA RAJENDRA	5	5	5	15
		4.36	4.45	4.64	13.45

CO1 (5)	CO3(5)	CO4 (5)
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Count above avg	7	8	9	7
Attainment	Y	Y	Y	Y
% Attainmrnt	63.64	72.73	81.82	63.64



K.J.Somaiya College, Kopergaon

Department of Mathematics

M.Sc.-II Coding Theory

A.Y. 2022-23

Subject: Coding Theory

Max. Marks: 50

Sr. No	Name of Student	CA1 (20)	CA2 (25)	CA3 (15)	CA Total (60)	Uni. Internal (30)	ESE (70) CO1-6	Total Marks (100)
1	AHIRRAO SAYALI BHANUDAS	17	15	12	44	22	29	51
2	GAWALI SACHIN RAJENDRA	17	19	13	49	25	28	53
3	JAGTAP PALLAVI DATTU	18	25	10	53	27	28	55
4	MORE ASHWINI RAMJI	17	23	10	50	25	8	33
5	WAKCHAURE JAYASHRI RAMDAS	20	25	15	60	30	14	44
6	ADIK VAISHNAVI KAILAS	20	25	15	60	30	59	89
7	GADHAVE SULOCHANA MACHHINDRA	19	23	15	57	29	31	60
8	GAVHALE SHRUTIKA PANDIT	20	25	15	60	30	56	86
9	JOSHI VAISHNAVI NITIN	20	25	14	59	30	48	78
10	KALAWAGHE KALYANI ANNASAHEB	20	25	14	59	30	42	72
11	UGALE YOGITA RAJENDRA	20	24	15	59	30	48	78
						28	36	63.27

NO. of Students Above Avg	5
Attainment	N
% Attainment	45.45



K.J. somaiya college of Arts, Commerce and Science, Kopergaon

Department of Mathematics

A.Y 2022-23

Course Name: Coding Theory

Class: M.Sc.-II

Semester:II

Course End Survey

Sr. No	Question	CO	Level of Agreement			Attainment	% Attainment
			Strongly (3)	Fairly (2)	Neutral (1)		
1	Are you able to observe the different techniques of error detection.?	C147.1	6	5	0	2.5	85
2	Are you able to describe the sphere covering bounds, Hamming bounds and MDS codes ?	C147.2	8	3	0	2.3	77
3	Are you able to find the Hamming weight, Linear codes ,Generator Matrix and parity check matrix ?	C147.3	11	0	0	2.5	85
4	Are you able to analyze Generator polynomials , Decoding of cyclic codes ?	C147.4	9	2	0	2.4	79
5	Are you able to determine the BCH codes and Parameters of BCH codes ?	C147.5	11	0	0	2.5	85

Note: We should add Following survey to strengthen claim of attainment of Program outcomes

1	Exit surevy	100 % students	Feedback surevy should be based on POs
2	Alumni surevy	10-20 % Alumni	
3	Employer survey	5-10 % Employer	



K.J.Somaiya college,Kopergaon

Department of Mathematics

A.Y 2022-23 (Sem II) M.Sc.-II

Course Name: Coding Theory Course Code:MTUTO-147

Class: M.Sc.-II

Computation of CO Attainment

Attainment of CO using Direct Method					Computation of Total CO Attainment				
Course No.	Course Outcome No.	Internal Assessment(IA) class average %age	External Assessment (ESE)	Direct CO Attainment (30% of IA + 70% ESE)	Course No.	Course Outcome No.	Direct CO Attainment (30% of IA + 70% ESE)	Indirect CO Attainment(obtained from Exit Survey) % age	Total Co Attainment (70% of Direct Attainment + 30 % of exit survey)
10428					10428	Course			
	C147.1	79	45	55		C147.1	55	85	64
	C147.2	82	45	56		C147.2	56	77	63
	C147.3	76	45	55		C147.3	55	85	64
	C147.4	82	45	56		C147.4	56	79	63
	C147.5	82	45	56		C147.5	56	85	65
Avg				56	Avg				82.10
									64



K.J.Somaiya college,Kopergaon

Department of Mathematics

A.Y 2022-23 (Sem II) M.Sc.-II

Course Name: Coding Theory Course Code:MTUTO-147

Class: M.Sc.-II

Computation of CO Attainment

Assessment Plan for Internal Assessment					
Course No.	Course Outcome No.	CA1	CA2	CA3	
	Marks	20	15	10	
10428	C147.1	11	11	11	
	C147.2	11	11		
	C147.3	11	11	11	
	C147.4	11	11	11	
	C147.5		11		

Class Average in Internal Assessment						
Course No.	Course Outcome No.	CA1	CA2	CA3		Internal Assessment class average %tage
		20	15	10		100
10428	C147.1	81.82	90.91	63.64		78.79
	C147.2	72.73	90.909			81.82
	C147.3	81.82	72.73	72.73		75.76
	C147.4	90.91	72.73	81.82		81.82
	C147.5		81.82			81.82



K.J.Somaiya college,Kopargaon

Department of Mathematics

A.Y 2022-23

Course Name: I Coding Theory

CO Attainment Gap

Course No.	Course Outcome No.		Total CO Attainment %age	CO Target % age	CO Attainment Gap(Attainment - Target	Attainment by 60%	Attainment
10428	C147.1		64	60	4	#REF!	Y
	C147.2		63	60	3	#REF!	Y
	C147.3		64	60	4	#REF!	Y
	C147.4		63	60	3	#REF!	Y
	C147.5		65	60	5	#REF!	Y

Closure of Quality loop

Course No.	Course Outcome No.	Target %age	Target achieved	Action proposed to bridge the gap	CO Attainment Gap(Attainment - Target
10428	C147.1	60	64		4
	C147.2	60	63		3
	C147.3	60	64		4
	C147.4	60	63		3
	C147.5	60	65		5



Course Name: Coding Theory Class: M.Sc.-II Semester: II

CO-PO CORELATION LEVEL PREDECIDED

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO.1	PSO.2	PSO.3
C147.1	✓	✓									✓		✓
C147.2			✓	✓								✓	✓
C147.3				✓				✓			✓		✓
C147.4			✓						✓		✓	✓	
C147.5						✓				✓	✓	✓	

Low = 1, Moderate = 2, High = 3

CO-PO MATRIX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
C147.1	2	3									3		2
C147.2			2	3								2	1
C147.3				1				2			3		2
C147.4			2						3		2	3	
C147.5						1				3	2	1	
C121	2	3	2	2		1		2	3	3	2.5	2	1.667

CO-PO MATRIX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
C147.1	M	H									H		M
C147.2			M	H								M	L
C147.3				L				M			H		M
C147.4			M						H		M	H	
C147.5						L				H	M	L	

C147.1-PO1	It helps to aquire basic knowledge of different techniques of error detection
C147.1-PO2	The topic deals with problems of different techniques of error detection
C147.2-PO3	It helps to examine ideas of the sphere covering bounds, Hamming bounds and MDS codes.
C147.2-PO4	It gives the ability to describe the sphere covering bounds, Hamming bounds and MDS codes.
C147.3-PO4	Demonstrate the ability to access, evaluate Hamming weight, Linear codes ,Generator Matrix and parity check matrix.
C147.3-PO8	It helps to report on the results of an experiment of Hamming weight, Linear codes ,Generator Matrix and parity check matrix.
C147.4-PO3	It helps to gain analytical skills like to find Generator polynomials , Decoding of cyclic codes.
C147.4-PO9	It helps to Develop and carry out an experiment of Analyze Generator polynomials , Decoding of cyclic codes.
C147.5-PO6	students will have the ability to develop the BCH codes and Parameters of BCH codes.
C147.5-PO10	It helps to analyze BCH codes and Parameters of BCH codes.



K.J.Somaiya College, Kopargaon

Department of Mathematics

A.Y 2022-23

Course Name: Coding Theory

Class: M.Sc.-II

Semester: II

CO-PO & PSO MATRIX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
C147.1	2	3									3		2
C147.2			2	3								2	1
C147.3				1				2			3		2
C147.4			2						3		2	3	
C147.5						1				3	2	1	
C147	2	3	2	2		1		2	3	3	2.5	2	1.66667

Course No.	Course Outcome No.	Total CO Attainment %age	
10428	C147.1	64	
	C147.2	63	
	C147.3	64	
	C147.4	63	
	C147.5	65	
		63.70	

Attainment of PO/PSO = (Average of Attainments of Relevant COs) * Scale Factor

Scale Factor = (Actual Mapping Strength / Maximum Possible Mapping Strength) = Actual Mapping strength / 3

PO & PSO Attainment

C147	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
Mapping Strength	2.00	3.00	2.00	2.00		1.00		2.00	3.00	3.00	2.50	2.00	1.67
Attainment % avg	42.47	63.70	42.47	42.47		21.23		42.47	63.70	63.70	53.09	42.47	35.39

K. J. Somaiya College of Arts
Commerce & Science, Kopargaon

Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopargaon

K. J. Somaiya College of Arts, Commerce & Science, Kopargaon.	
Department of Physics	
Course Outcome and Program Outcome Attainment Worksheet for Courses	
Academic Year	<i>2021-22</i>
Semester	<i>III</i>
Title of Course	<i>Mathematical Methods in Physics-I</i>
Course Code (Theory)	<i>PHY-231</i>
Course Number(Theory)	<i>Phy-1</i>
Course Code (lab)	
Course Number(Lab)	
Course Coordinator(Theory)	<i>Prof.(Dr.) B. B. Bhosale</i>
Course Coordinator(Lab)	

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.

Department of Physics

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K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.**Program Outcome Statements****Department of Physics**

PO No.	Statements
PO1	Knowledge – Bachelor of Science provides both theoretical and practical knowledge in various subject areas.
PO2	Skill Development - A student is exposed to a wide variety of topics in different subject areas and receives intensive training in each of the classes that have a laboratory job
PO3	Problem Analysis - Students have the ability to identify, formulate, analyze scientific problems and come up with concrete solutions using several of principles.
PO4	Modern Tool Usage - Develop and implement appropriate techniques and IT tools to analyze data within limitations.
PO5	Internalization - Developing, internalizing and expressing ethics is necessary for their professional and personal practice.
PO6	Logical thinking - Applying logical thinking based on the knowledge, skills and responsibilities that come with the scientific temper.
PO7	Examination - Examine hypothesis, theories, methods and various evidences in their appropriate contexts.
PO8	Addressing - Addresses complex problems through critical understanding, analysis and synthesis.
PO9	Recognition - Recognizing the need for lifelong learning through education.
PO10	Application - the capacity to apply one's learning to real world situations.

K. J. Somaiya College of Arts, Commerce & Science, Kopargaon.	
Department of Physics	
Programme Specific Outcome Statements	
PSO No.	Statements
PSO1	Demonstrate and apply basics skills in commerce for analysis of various problems in accounting, banking, marketing, business economics, entrepreneurship, management and communication.
PSO2	Demonstrate progressive affective domain development of values, the role of accounting in society and business.
PSO3	Practice relevant financial, managerial, accounting career skills as well as acquire ability to engage in competitive examinations and higher studies applying both quantitative and qualitative knowledge gained to their future careers.

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.**Department of Physics****Academic Year: 2021-22 -B. Sc.****Course Name: Mathematical Methods in Physics-I Class: S. Y. B. Sc. Semester: III Course Code: PHY231****Course Outcome Statements**

Course No.	Course Outcome No.	Statements	Blooms level
	At the end of the course, students will be able to:		
PHY-1	CO1	To describe the use of complex algebra in Physics.	Remember
	CO2	To explain the concept of partial differentiation.	Understand
	CO3	To apply the partial differential equations in physics.	Apply
	CO4	To evaluate the problems by using vector algebra in Mathematics and Physics.	Analyse
	CO5	To solve for singular points of differential equations.	Evaluate
	CO6	To solve problems on Mathematical Methods in Physics	Create

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.

Department of Physics

Academic Year: 2021-22 - B. Sc.

Course Name: Mathematical Methods in Physics-I Class: S. Y. B. Sc. Semester: III Course Code: PHY231

Course No.	Course Code	Course Name	Direct Assessment Tools				Indirect Assessment Tool
			External	Internal			
PHY-1	PHY-231	Computational Physics	ESE	CA1- CT	CA2- Assgn	CA3-Oral	Course Exit Survey
		Direct Attainment Ratio	70	30			
		Final Attainment Ratio	70				30

CA1- 5 Objectives, 2 Long Questions	15 Marks
CA2 - 5 Assignments 5 Marks each	25 Marks
CA3- Oral	10 Marks
ESE - (Covering all Cos)	35 Marks
Course Exit Survey - 5 - 10 feedback questions	

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.**Department of Physics****Academic Year: 2021-22 - B. Sc.****Course Name: Mathematical Methods in Physics-I Class: S. Y. B. Sc. Semester: III Course Code: PHY231****Setting CO Attainment Targets**

Course No.	Course Outcome No.	Statements	Target (Class Avg.)	Justification	CA1	CA2	CA3	ESE
PHY-1	CO1	Describe the use of complex algebra in physics courses.	50%	All the CO are considered equally important, hence assigned same target for each CO. As this is basic core subject. Hence the target assigned is 60%	Y	Y		Y
	CO2	Explain the concept of partial differentiation.	50%		Y			Y
	CO3	Apply the partial differential equations in physics.	50%		Y	Y		Y
	CO4	Evaluate the problems by using vector algebra in Mathematics and Physics.	50%		Y	Y	Y	Y
	CO5	To solve for singular points of differential equations.	50%		Y		Y	Y
	CO6	Solve problems on Mathematical Methods in Physics	50%			Y	Y	Y

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.		
Department of Physics		
Academic Year: 2021-22 - B. Sc.		
Course Name: Mathematical Methods in Physics-I Class: S. Y. B. Sc. Semester: III Course Code: PHY231		
Class Test-CA1 Question Paper		

Date: 15/02/2022

Time: 9.25 AM to 10.15 PM

Maximum Marks: 15

Instructions:

1) Figures to the right indicate full mark.

2) Assume suitable data wherever necessary with justification.

Q1. Choose the correct alternative			(1 X 5 = 5)	Course Outcome
1	The equation $y'' - 2y' + y = 0$ is		C05	
	a) linear equation	c) algebraic equation		
	b) non-linear equation	d) logical equation		
2	If either of these two or both are limit diverge then the point $z = 0$ issingular point.		C05	
	a) regular	c) non-essential		
	b) an irregular	d) none of these		
3	The absolute value of complex number $z = 3 - 4i$ is		C01	
	a) 3	c) 7		
	b) 5	d) 9		
4	When real part of complex number is zero then it reduces to		C01	
	a) real number	c) complex conjugate		
	b) imaginary number	d) argument of complex number		
5	If $u = \exp y \cos x$, then $u_{xx} + u_{yy}$ will be		C03	
	a) 1	c) -1		
	b) 2	d) 0		
Q2. Attempt any one of the followings			(1 X 5 = 5)	Course Outcome
a	Explain the term total differentiation. If $F = f(x, y)$ then show that total differential of F is $dF = F_x dx + F_y dy$		C02	
b	Distinguish between implicit and explicit function.		C02	
Q3. Answer the following question in detail.			(1 X 5 = 5)	Course Outcome
	What is vector tripple product? Give its geometrical interpretation.		C04	

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.

Department of Physics

Academic Year: 2021-22 (Sem-VI) B. Sc.

Course Name: Mathematical Methods in Physics-I Class: S. Y.B.Sc. Sem: III Course Code: PHY231

Class Test-CA1 Assessment

Sr. No.	Roll No.	Name	Q.1					Q.2	Q.3	Total						
			1	2	3	4	5				CO1	CO2	CO3	CO4	CO5	CO-TOTAL
			CO5	CO5	CO1	CO1	CO3	CO2	CO4		CO1	CO2	CO3	CO4	CO5	CO-TOTAL
			1	1	1	1	1	5	5	15	2	5	1	5	2	15
1	1	Autade Rohit R.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
2	2	Bhujade Arti V.	1	1	1	1	1	4	4	13	2	4	1	4	2	13
3	3	Chaudhari Abhishek R.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
4	4	Gawali Nikita B.	1	1	1	1	1	4	4	13	2	4	1	4	2	13
5	5	Gavhane Krushna S.	0	1	1	1	1	3	3	10	2	3	1	3	1	10
6	6	Jadhav Suraj S.	1	1	1	1	1	5	4	14	2	5	1	4	2	14
7	7	Kadam Rutuja V.	1	1	0	1	1	3	3	10	1	3	1	3	2	10
8	8	Kadam Samrudhhi S.	1	0	1	1	1	3	3	10	2	3	1	3	1	10
9	9	Khillare Rutuja B.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
10	10	Hole Tejas Vijay	1	1	1	1	1	4	4	13	2	4	1	4	2	13
11	11	Anarthe Shyam G.	1	1	1	1	1	4	5	14	2	4	1	5	2	14
12	12	Bachkar Amol A.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
13	13	Bankar Shraddha S.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
14	14	Bharud Komal J.	1	1	1	0	1	3	3	10	1	3	1	3	2	10
15	15	Bhavar Omkar	1	1	1	1	1	5	5	15	2	5	1	5	2	15
16	16	Bhokare Vaishnavi A.	1	1	1	1	1	4	4	13	2	4	1	4	2	13
17	17	Bhujade Rohit D.	1	1	1	1	0	3	3	10	2	3	0	3	2	10
18	18	Dange Kanchan K.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
19	19	Deokar Sakshi S.	1	1	1	1	0	3	3	10	2	3	0	3	2	10
20	20	Dhule Vaishnavi D.	1	1	1	1	1	4	4	13	2	4	1	4	2	13
21	21	Dike Vaishnavi C.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
22	22	Dube Vrushi Arjun	1	1	1	1	1	3	4	12	2	3	1	4	2	12
23	23	Gadekar Shradha R.	1	1	1	1	1	4	4	15	2	4	1	4	2	13
24	24	Gawali Sanket N.	0	1	0	1	1	3	3	9	1	3	1	3	1	9
25	25	Gawali Priti R.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
26	26	Hiwarde Vaishnavi S.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
27	27	Jamadhade Aishwarya V.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
28	28	Jawale Shushant D.	1	0	1	1	1	3	3	10	2	3	1	3	1	10
29	29	Kashid Snehal R.	1	1	1	1	1	4	5	14	2	4	1	5	2	14
30	30	Khakale Vaibhav N.	1	1	1	1	1	3	3	12	2	3	1	3	2	11
31	31	Khalkar Rajshri S.	1	1	1	1	1	5	4	14	2	5	1	4	2	14
32	32	Kokate Sonam Arjun	1	1	1	1	1	4	5	14	2	4	1	5	2	14
33	33	Kote Aditi Sambhaji	1	1	1	1	1	4	4	13	2	4	1	4	2	13
34	34	Kundhare Tejswini A.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
35	35	Londhe Sidharth	1	1	1	1	1	3	3	11	2	3	1	3	2	11
36	36	Mule Yogendra N.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
37	37	Nikam Rahul D.	1	1	1	1	1	5	4	14	2	5	1	4	2	14
38	38	Nikam Ujjwala R.	1	1	1	1	1	4	3	12	2	4	1	3	2	12
39	39	Pachore Jyoti B.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
40	40	Pachpind Bhagyashri K.	1	1	1	1	1	5	5	14	2	5	1	5	2	15
41	41	Parade Kalyani R.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
42	42	Parade Shivani R.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
43	43	Rahane Sweta A.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
44	44	Rohamare Nikita A.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
45	45	Shahane Arati R.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
46	46	Shaikh Saba Almaj	1	1	1	0	1	3	3	10	1	3	1	3	2	10
47	47	Shinde Gaurav N.	1	1	1	1	1	4	4	13	2	4	1	4	2	13
48	48	Shinde Omkar S.	1	1	1	1	1	4	4	13	2	4	1	4	2	13
49	49	Surve Dnyeshwari R.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
50	50	Tanvi K. Raut	1	1	1	1	1	5	5	15	2	5	1	5	2	15
51	51	Thange Pranav E.	1	0	1	1	0	3	3	9	2	3	0	3	1	9
52	52	Varpe Sandhya S.	1	1	1	1	1	5	5	15	2	5	1	5	2	15
			1	0.93	1	0.93	0.93	4.53	4.47		1.92	4.25	0.94	4.25	1.90	13.27
			CO5	CO5	CO1	CO1	CO3	CO2	CO4		CO1	CO2	CO3	CO4	CO5	

CO Marks

CO1	CO2	CO3	CO4	CO5	CO-TOTAL
2	5	1	5	2	15

Number of Students above average

48	26	49	26	47	29
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Attainment:		Y	Y	Y	Y	Y	Y
% attainment		92.31	50	94.23	50	90.385	55.77

K. J. Somaiya College of Arts, Commerce & Science, Kopargaon.**Department of Physics****Academic Year: 2021-22 - B. Sc.****Course Name: Mathematical Methods in Physics-I****Class: S. Y.B.Sc.****Sem: V****Course Code: PHY231****Assignment No. 1 to 5**

Ass.No.	Questions	CO
A1	Q.1) What is gradient of scalar? Give its physical significance	CO4
A2	Q.2) What is curl of vector? Give its physical interpretation.	CO4
A3	Q.3) Discuss change of variable from Cartesian to polar co-ordinates using partial differentiation.	CO3
A4	Q.4) Using method of differential equation, find the approximate value of $[(2.99)^2 + (3.99)^2]^{1/2}$.	CO6
A5	Q.5) What is an Argand diagram? Explain subtraction of two complex numbers by using an Argand diagram?	CO1

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.

Department of Physics

Academic Year: 2021-22 - B. Sc.

Course Name: Mathematical Methods in Physics-I Class: S. Y.B.Sc. Sem: III								Course Code: PHY231				
Name of Faculty:Dr. B. B. Bhosale												
Roll No.	Name of Student	Assignment (25)	Assign 1 (5)	Assign 2 (5)	Assign 3 (5)	Assign 4 (5)	Assign 5 (5)	Total	CO1	CO3	CO4	CO6
			CO4(5)	CO4(5)	CO3(5)	CO6(5)	CO1(5)		5	5	10	5
1	Autade Rohit R.	25	5	5	5	5	5	25	5	5	10	5
2	Bhujade Arti V.	22	4	5	4	5	4	22	4	4	9	5
3	Chaudhari Abhishek R.	25	5	5	5	5	5	25	5	5	10	5
4	Gawali Nikita B.	22	5	4	5	4	4	22	4	5	9	4
5	Gavhane Krushna S.	17	5	5	5	5	5	25	5	5	10	5
6	Jadhav Suraj S.	23	5	5	5	4	4	23	4	5	10	4
7	Kadam Rutuja V.	17	3	3	4	3	4	17	4	4	6	3
8	Kadam Samrudhhi S.	17	3	4	3	4	3	17	3	3	7	4
9	Khillare Rutuja B.	25	5	5	5	5	5	25	5	5	10	5
10	Hole Tejas Vijay	22	5	5	5	5	5	25	5	5	10	5
11	Anarthe Shyam G.	23	5	5	4	5	4	23	4	4	10	5
12	Bachkar Amol A.	25	5	5	5	5	5	25	5	5	10	5
13	Bankar Shraddha S.	25	5	5	5	5	5	25	5	5	10	5
14	Bharud Komal J.	17	3	4	3	3	4	17	4	3	7	3
15	Bhavar Omkar	25	5	5	5	5	5	25	5	5	10	5
16	Bhokare Vaishnvi A.	22	4	4	5	5	4	22	4	5	8	5
17	Bhujade Rohit D.	17	3	3	3	4	4	17	4	3	6	4
18	Dange Kanchan K.	25	5	5	5	5	5	25	5	5	10	5
19	Deokar Sakshi S.	17	5	5	5	5	5	25	5	5	10	5
20	Dhule Vaishnavi D.	22	5	5	4	4	4	22	4	4	10	4
21	Dike Vaishnavi C.	25	5	5	5	5	5	25	5	5	10	5
22	Dube Vrushali Arjun	20	4	4	4	4	4	20	4	4	8	4
23	Gadekar Shradhha R.	25	5	5	5	5	5	25	5	5	10	5
24	Gawali Sanket N.	15	3	3	3	3	3	15	3	3	6	3
25	Gawali Priti R.	25	5	5	5	5	5	25	5	5	10	5
26	Hiwarde Vaishnavi S.	25	5	5	5	5	5	25	5	5	10	5
27	Jamadhade Aishwarya V.	25	5	5	5	5	5	25	5	5	10	5
28	Jawale Shushant D.	17	3	3	3	4	4	17	4	3	6	4
29	Kashid Snehal R.	23	4	5	4	5	5	23	5	4	9	5
30	Khakale Vaibhav N.	20	4	4	4	4	4	20	4	4	8	4
31	Khalkar Rajshri S.	23	5	4	4	5	5	23	5	4	9	5
32	Kokate Sonam Arjun	23	4	5	4	5	5	23	5	4	9	5
33	Kote Aditi Sambhaji	22	5	5	4	4	4	22	4	4	10	4
34	Kundhare Tejswini A.	25	5	5	5	5	5	25	5	5	10	5
35	Londhe Sidharth	18	4	3	4	3	4	18	4	4	7	3
36	Mule Yogendra N.	25	5	5	5	5	5	25	5	5	10	5
37	Nikam Rahul D.	23	5	4	5	4	5	23	5	5	9	4
38	Nikam Ujwala R.	20	4	4	4	4	4	20	4	4	8	4
39	Pachore Jyoti B.	25	5	5	5	5	5	25	5	5	10	5
40	Pachpind Bhagyashri K.	23	5	5	5	4	4	23	4	5	10	4
41	Parade Kalyani R.	25	5	5	5	5	5	25	5	5	10	5
42	Parade Shivani R.	25	5	5	5	5	5	25	5	5	10	5
43	Rahane Sweta A.	25	5	5	5	5	5	25	5	5	10	5
44	Rohamare Nikita A.	25	5	5	5	5	5	25	5	5	10	5
45	Shahane Arati R.	25	5	5	5	5	5	25	5	5	10	5
46	Shaikh Saba Almaj	17	4	4	3	3	3	17	3	3	8	3
47	Shinde Gaurav N.	22	4	5	4	4	5	22	5	4	9	4
48	Shinde Omkar S.	22	5	4	5	4	4	22	4	5	9	4
49	Surve Dnyeshwari R.	25	5	5	5	5	5	25	5	5	10	5
50	Tanvi K. Raut	25	5	5	5	5	5	25	5	5	10	5
51	Thange Pranav E.	15	3	3	3	3	3	15	3	3	6	3
52	Varpe Sandhya S.	25	5	5	5	5	5	25	5	5	10	5
			4.67	4.60	4.60	4.40	4.53	22.79	CO1	CO3	CO4	CO6
									4.52	4.48	9.10	4.50

Subject Incharge: Prof.Dr.B.B.Bhosale

CO Marks			
CO1	CO3	CO4	CO6
5	5	10	5

Number above Average	31	32	31	32
Attainment	Y	Y	Y	Y
% Attainment	59.62	61.54	59.62	61.54

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.

Department of Physics

Academic Year: 2021-22 - B. Sc

Course Name: Mathematical Methods in Physics-I Class: S. Y.B.Sc. Sem: III Course Code: PHY231

CA3 - Mode of Assessment: Oral

Roll No.	Name of Student	CA3 (10) (CO4-CO6)	CO4 (2)	CO5(4)	CO6 (4)
1	Autade Rohit R.	10	2	4	4
2	Bhujade Arti V.	9	2	4	3
3	Chaudhari Abhishek R.	10	2	4	4
4	Gawali Nikita B.	9	2	4	3
5	Gavhane Krushna S.	7	1	3	3
6	Jadhav Suraj S.	9	2	3	4
7	Kadam Rutuja V.	7	1	3	3
8	Kadam Samrudhhi S.	7	1	3	3
9	Khillare Rutuja B.	10	2	4	4
10	Hole Tejas Vijay	9	2	3	4
11	Anarthe Shyam G.	9	2	4	3
12	Bachkar Amol A.	10	2	4	4
13	Bankar Shraddha S.	10	2	4	4
14	Bharud Komal J.	7	1	3	3
15	Bhavar Omkar	10	2	4	4
16	Bhokare Vaishnvi A.	9	2	4	3
17	Bhujade Rohit D.	7	1	3	3
18	Dange Kanchan K.	10	2	4	4
19	Deokar Sakshi S.	7	1	3	3
20	Dhule Vaishnavi D.	8	1	4	3
21	Dike Vaishnavi C.	10	2	4	4
22	Dube Vrushali Arjun	8	2	3	3
23	Gadekar Shradhha R.	10	2	4	4
24	Gawali Sanket N.	6	1	3	2
25	Gawali Priti R.	10	2	4	4
26	Hiwarde Vaishanvi S.	10	2	4	4
27	Jamadhade Aishwarya V.	10	2	4	4
28	Jawale Shushant D.	7	1	3	3
29	Kashid Snehal R.	9	2	3	4
30	Khakale Vaibhav N.	8	2	3	3
31	Khalkar Rajshri S.	9	2	4	3
32	Kokate Sonam Arjun	9	2	3	4
33	Kote Aditi Sambhaji	9	2	4	3
34	Kundhare Tejswini A.	10	2	4	4
35	Londhe Sidharth	7	1	3	3
36	Mule Yogendra N.	10	2	4	4
37	Nikam Rahul D.	9	2	3	4
38	Nikam Ujjwala R.	8	2	3	3
39	Pachore Jyoti B.	10	2	4	4
40	Pachpind Bhagyashri K.	9	2	4	3
41	Parade Kalyani R.	10	2	4	4
42	Parade Shivani R.	10	2	4	4
43	Rahane Sweta A.	10	2	4	4
44	Rohamare Nikita A.	10	2	4	4
45	Shahane Arati R.	10	2	4	4
46	Shaikh Saba Almaj	7	1	3	3
47	Shinde Gaurav N.	9	2	3	4
48	Shinde Omkar S.	9	2	4	3
49	Surve Dnyaneshwari R.	10	2	4	4
50	Tanvi K. Raut	10	2	4	4
51	Thange Pranav E.	6	2	2	2
52	Varpe Sandhya S.	10	2	4	4
		8.90	1.79	3.60	3.52
	Subject Incharge: Prof.Dr.B.B.Bhosale		CO4 (2)	CO5(4)	CO6 (4)

Count above 50%	41	51	50
Attainment	Y	Y	Y
%	78.85	98.08	96.15

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.

Department of Physics

Academic Year: 2021-22 - B. Sc

Course Name: Mathematical Methods in Physics-I Class: S. Y.B.Sc. Sem: III Course

Subject: Computational Physics

Max. Marks: 50

Roll No	Name of Student	CA1 (15)	CA2 (25)	CA3 (10)	CA Total (50)	Uni. Internal (15)	ESE (35) CO1-6	Total Marks (50)	Total Marks (100)
1	Autade Rohit R.	15	25	10	50	15	15	30	60
2	Bhujade Arti V.	13	22	9	43	13	19	32	64
3	Chaudhari Abhishek R.	15	25	10	50	15	19	34	68
4	Gawali Nikita B.	13	22	9	43	13	20	33	66
5	Gavhane Krushna S.	10	17	7	33	10	23	33	66
6	Jadhav Suraj S.	14	23	9	47	14	19	33	66
7	Kadam Rutuja V.	10	17	7	33	10	26	36	72
8	Kadam Samrudhhi S.	10	17	7	33	10	16	26	52
9	Khillare Rutuja B.	15	25	10	50	15	8	23	46
10	Hole Tejas Vijay	13	22	9	43	13	22	35	70
11	Anarthe Shyam G.	14	23	9	47	14	19	33	66
12	Bachkar Amol A.	15	25	10	50	15	22	37	74
13	Bankar Shraddha S.	15	25	10	50	15	18	33	66
14	Bharud Komal J.	10	17	7	33	10	15	25	50
15	Bhavar Omkar	15	25	10	50	15	16	31	62
16	Bhokare Vaishnavi A.	13	22	9	43	13	19	32	64
17	Bhujade Rohit D.	10	17	7	33	10	16	26	52
18	Dange Kanchan K.	15	25	10	50	15	14	29	58
19	Deokar Sakshi S.	10	17	7	33	10	18	28	56
20	Dhule Vaishnavi D.	13	22	9	43	13	24	37	74
21	Dike Vaishnavi C.	15	25	10	50	15	30	45	90
22	Dube Vrushali Arjun	12	20	8	40	12	23	35	70
23	Gadekar Shraddha R.	15	25	10	50	15	22	37	74
24	Gawali Sanket N.	9	15	6	30	9	23	32	64
25	Gawali Priti R.	15	25	10	50	15	20	35	70
26	Hiwarde Vaishnavi S.	15	25	10	50	15	31	46	92
27	Jamadhade Aishwarya V.	15	25	10	50	15	27	42	84
28	Jawale Shushant D.	10	17	7	33	10	21	31	62
29	Kashid Snehal R.	14	23	9	47	14	15	29	58
30	Khakale Vaibhav N.	12	20	8	40	12	22	34	68
31	Khalkar Rajshri S.	14	23	9	47	14	23	37	74
32	Kokate Sonam Arjun	14	23	9	47	14	26	40	80
33	Kote Aditi Sambhaji	13	22	9	43	13	18	31	62
34	Kundhare Tejswini A.	15	25	10	50	15	21	36	72
35	Londhe Sidharth	11	18	7	37	11	16	27	54
36	Mule Yogendra N.	15	25	10	50	15	27	42	84
37	Nikam Rahul D.	14	23	9	47	14	22	36	72
38	Nikam Ujwala R.	12	20	8	40	12	24	36	72
39	Pachore Jyoti B.	15	25	10	50	15	18	33	66
40	Pachpind Bhagyashri K.	14	23	9	47	14	22	36	72
41	Parade Kalyani R.	15	25	10	50	15	20	35	70
42	Parade Shivani R.	15	25	10	50	15	14	29	58
43	Rahane Sweta A.	15	25	10	50	15	29	44	88
44	Rohamare Nikita A.	15	25	10	50	15	25	40	80
45	Shahane Arati R.	15	25	10	50	15	34	49	98
46	Shaikh Saba Almaj	10	17	7	33	10	16	26	52
47	Shinde Gaurav N.	13	22	9	43	13	27	40	80
48	Shinde Omkar S.	13	22	9	43	13	26	39	78
49	Surve Dnyaneshwari R.	15	25	10	50	15	24	39	78
50	Tanvi K. Raut	15	25	10	50	15	28	43	86
51	Thange Pranav E.	9	15	6	30	9	15	24	48
52	Varpe Sandhya S.	15	25	10	50	15	0	15	30
							21	1769	3538
							20.71	34	68

NO. of Students Above Avg	27
Attainment	Y
% Attainment	51.92

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.

Department of Physics

Academic Year: 2021-22 - B. Sc.

Course Name: Mathematical Methods in Physics-I Class: S. Y.B.Sc. Sem: III Course Code: PHY231

Course End Survey

Sr. No	Question	CO	Level of Agreement			Attainment	% Attainment
			Strongly (3)	Fairly (2)	Neutral (1)		
1	Are you able to describe the use of complex algebra in Physics.?	CO1	46	5	1	2.9	96
2	Are you able to explain the concept of partial differentiation?	CO2	47	5	0	2.9	97
3	Are you able to apply the partial differential equations in Physics?	CO3	46	8	0	3.0	99
4	Are you able to evaluate the problems by using vector algebra in mathematics and Physics?	CO4	43	9	0	2.8	94
5	Are you able to solve for singular points of differential equations?	CO5	45	7	0	2.9	96
6	Are you able to solve problems on Mathematical Methods in Physics?	CO6	44	7	1	2.8	94

Note: We should add Following survey to strengthen claim of attainment of Program outcomes

1	Exit survey	100 % students	Feedback survey should be based on POs
2	Alumni survey	10-20 % Alumni	
3	Employer survey	5-10 % Employer	

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.

Department of Physics

Academic Year: 2021-22 - B. Sc.

Course Name: Mathematical Methods in Physics-I Class: S. Y.B.Sc. Sem: III Course Code: PHY231

Computation of CO Attainment

Attainment of CO using Direct Method					Computation of Total CO Attainment				
Course No.	Course Outcome No.	Internal Assessment(IA) class average %age	External Assessment (ESE)	Direct CO Attainment (30% of IA + 70% ESE)	Course No.	Course Outcome No.	Direct CO Attainment (30% of IA + 70% ESE)	Indirect CO Attainment(obtained from Exit Survey) % age	Total Co Attainment (70% of Direct Attainment + 30 % of exit survey)
PHY-1					PHY-1				
	CO1	76	52	59		CO1	59	96	70
	CO2	50	52	51		CO2	51	97	65
	CO3	78	52	60		CO3	60	99	71
	CO4	63	52	55		CO4	55	94	67
	CO5	76	52	59		CO5	59	96	70
	CO6	59	52	54		CO6	54	94	66

Avg	56		Avg	56	95.83	68
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K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.

Department of Physics

Academic Year: 2021-22 - B. Sc.

Course Name: Mathematical Methods in Physics-I Class: S. Y.B.Sc. Sem: III Course Code: PHY231

Computation of CO Attainment

Assessment Plan for Internal Assessment					
Course No.	Course Outcome No.	CA1	CA2	CA3	
	Marks	15	25	10	
PHY-1	CO1	50	50		
	CO2	50			
	CO3	50	50		
	CO4	50	50	50.00	
	CO5	50		50.00	
	CO6		50	50.00	

Class Average in Internal Assessment						
Course No.	Course Outcome No.	CA1	CA2	CA3		Internal Assessment class average %tage
		15	25	10		100
PHY-1	CO1	92.31	59.62			75.96
	CO2	50.00				50.00
	CO3	94.23	61.54			77.88
	CO4	50.00	59.62	78.85		62.82
	CO5	90.38		61.54		75.96
	CO6		61.54	55.77		58.65

K. J. Somaiya College of Arts, Commerce & Science, Kopargaoon.

Department of Physics

Academic Year: 2021-22 - B. Sc.

Course Name: Mathematical Methods in Physics-I Class: S. Y.B.Sc. Sem: III Course Code: PHY231

CO Attainment Gap

Course No.	Course Outcome No.	Total CO Attainment %age	CO Target %age	CO Attainment Gap(Attainment - Target)	Attainment by 50%	Attainment
PHY-1	CO1	70	50	20	59	Y
	CO2	65	50	15	51	Y
	CO3	71	50	21	60	Y
	CO4	67	50	17	55	Y
	CO5	70	50	20	59	Y
	CO6	66	50	16	54	Y

Closure of Quality loop

Course No.	Course Outcome No.	Target %age	Target achieved	Action proposed to bridge the gap	CO Attainment Gap(Attainment - Target)
PHY-1	CO1	50	70		20
	CO2	50	65		15
	CO3	50	71		21
	CO4	50	67		17
	CO5	50	70		20
	CO6	50	66		16

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon.													
Department of Physics													
Academic Year: 2021-22 - B. Sc.													
Course Name: Mathematical Methods in Physics-I Class: S. Y.B.Sc. Sem: III Course Code: PHY231													
CO-PO CORRELATION LEVEL PREDECIDED													
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO.1	PSO.2	PSO.3
C01	✓	✓	✓		✓	✓					✓	✓	
C02	✓		✓	✓	✓	✓					✓	✓	
C03			✓		✓	✓	✓			✓	✓	✓	✓
C04			✓		✓	✓	✓		✓		✓	✓	✓
C05			✓	✓		✓	✓	✓			✓	✓	✓
C06			✓		✓	✓			✓	✓	✓	✓	✓
Low = 1, Moderate = 2, High = 3													

CO-PO MATRIX													
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
C01	3	3	3		2		3				3	3	
C02	3		3	2	3	3					1	3	
C03			3		3	3	1			2	2	3	1
C04			2		3	3	1		3		2	3	1
C05			3	3		2	3	3			1	3	2
C06			3		3	2			1	2	1	3	3
PHY-I	3	3	2.8333	2.5	2.8	2.6	2	3	2	2	1.6667	3	1.75

CO-PO MATRIX													
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
C01	H	H	H		M		H				H	H	
C02	H		H	M	H	H					L	H	
C03			H		H	H	L			M	M	H	L
C04			M		H	H	L		H		M	H	L
C05			H	H		M	H	H			L	H	M
C06			M		H	M			L	M	L	H	H

C01-PO1	It helps to acquire knowledge to describe the use of complex algebra in Physics.
C01-PO2	It helps to expose the students for describing the use of complex algebra in Physics.
C01-PO3	It helps to identify, formulate and analyze for describing the use of complex algebra in Physics.
C01-PO5	It helps to developing and internalizing for describing the use of complex algebra in Physics.
C01-PO6	It helps to apply the logical thinking based on the knowledge and skills in order to describing the use of complex algebra in Physics
C02-PO1	It helps to acquire knowledge to explain the concept of partial differentiation.
C02-PO3	It helps to identify, formulate and analyze to explain the concept of partial differentiation.
C02-PO4	It helps to develop and implement appropriate techniques to explain the concept of partial differentiation.
C02-PO5	It helps to developing and internalizing for explaining the concept of partial differentiation.
C02-PO6	It helps to apply the logical thinking based on the knowledge and skills in order to explain the concept of partial differentiation.
C03-PO3	It helps to identify, formulate and analyze for applying the the partial differentiation equations in Physics.
C03-PO5	It helps to developing and internalizing for applying the the partial differentiation equations in Physics.
C03-PO6	It helps to apply the logical thinking based on the knowledge and skills in order to applying the the partial differentiation equations in Physics.
C03-PO7	It helps to examine hypothesis, theories and methods for applying the the partial differentiation equations in Physics.
C03-PO10	It helps to apply the knowledge for applying the the partial differentiation equations in Physics.
C04-PO3	It helps to identify, formulate and analyze for evaluating the problems by using vector algebra in mathematics and Physics.
C04-PO5	It helps to developing and internalizing for evaluating the problems by using vector algebra in mathematics and Physics.
C04-PO6	It helps to apply the logical thinking based on the knowledge and skills in order to evaluate the problems by using vector algebra in mathematics and Physics.
C04-PO7	It helps to examine hypothesis, theories and methods for evaluating the problems by using vector algebra in mathematics and Physics.
C04-PO9	It helps to recognize for evaluating the problems by using vector algebra in mathematics and Physics.
C05-PO3	It helps to identify, formulate and analyze for solving the singular points of differential equations.
C05-PO4	It helps to develop and implement appropriate techniques for solving the singular points of differential equations.
C05-PO6	It helps to apply the logical thinking based on the knowledge and skills in order to solve the singular points of differential equations.
C05-PO7	It helps to examine hypothesis, theories and methods for evaluating the problems by using vector algebra in mathematics and Physics.
C05-PO8	It helps to address the complex problems through critical understanding and analysing in order to solve for singular points of differential equations
C06-PO3	It helps to identify, formulate and analyze for solving problems on Mathematical Methods in Physics.
C06-PO5	It helps to developing and internalizing for solving problems on Mathematical Methods in Physics.
C06-PO6	It helps to apply the logical thinking based on the knowledge and skills in order to solve the problems on Mathematical Methods in Physics.
C06-PO9	It helps to recognize for solving the problems on Mathematical Methods in Physics
C06-PO10	It helps to apply the knowledge to solve problems on Mathematical Methods in Physics

K. J. Somaiya College of Arts, Commerce & Science, Kopargaon.

Department of Physics

Academic Year: 2021-22 - B. Sc.

Course Name: Mathematical Methods in Physics-I

Class: S. Y.B.Sc.

Sem: III

Course Code: PHY231

CO-PO & PSO MATRIX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	3		2		3				3	3	
CO2	3		3	2	3	3					1	3	
CO3			3		3	3	1			2	2	3	1
CO4			2		3	3	1		3		2	3	1
CO5			3	3		2	3	3			1	3	2
CO6			3		3	2			1	2	1	3	3
PHY-1	3.00	3.00	2.83	2.50	2.80	2.60	2.00	3.00	2.00	2.00	1.67	3.00	1.75

Course No.	Course Outcome No.	Total CO Attainment %age	CO attainment
PHY-1	CO1	70	59
	CO2	65	51
	CO3	71	60
	CO4	67	55
	CO5	70	59
	CO6	66	54
		68.24	



(Signature)
Co ordinator
IQAC, K. J. Somaiya College
Kopargaon, Dist. A.Nagar

(Signature)
Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopargaon

Attainment of PO/PSO=(Average of Attainments of Relevant COs)*Scale Factor

Scale Factor=(Actual Mapping Strength/Maximum Possible Mapping Strength)=Actual Mapping strength/3

PO & PSO Attainment

PHY-1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
Mapping Strength	3.00	3.00	2.83	2.50	2.80	2.60	2.00	3.00	2.00	2.00	1.67	3.00	1.75
Attainment % avg	68.24	68.24	64.45	56.86	63.69	59.14	45.49	68.24	45.49	45.49	37.91	68.24	39.81
Attainment 50%	56.41	56.41	53.28	47.01	52.65	48.89	37.61	56.41	37.61	37.61	31.34	56.41	32.91

K.J.Somaiya College of Arts, Commerce & Science, Kopargaoon



Faculty : Commerce & Management
Programme : Bachelor of Commerce (B.Com.)

Title

Academic Year	2022-23
Semester	VI
Title of Course	Business Regulatory Framework -II
Course Code (Theory)	361
Course Number(Theory)	361
Course Code (lab)	Nil
Course Number(Lab)	Nil
Course Coordinator(Theory)	Prof. Dr. Santosh Ram Pagare
Course Coordinator(Lab)	Not applicable

K.J.Somaiya College of Arts, Commerce & Science, Kopargaoon

Faculty : Commerce & Management

Programme : Bachelor of Commerce (B.Com.)



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K.J.Somaiya College of Arts, Commerce & Science, Kopargaoon



Faculty : Commerce & Management Programme : Bachelor of Commerce (B.Com.) Programme Outcome Statements



PO NO	STATEMENTS
PO - 01	Knowledge Aquisition : aquire knoledge and skills in the filed of Commerce, Management and Economics.
PO - 02	Effective Communication Skills : increase effective communication skills for the smooth operation of business activities.
PO - 03	Professional Accounting Practices: enhance abilty amoung stusdents for maintain accounting, taxation and auditing of the operations of business organisation
PO - 04	Legel awareness : Develop legal awareness and aspects regarding industrial, employment laws for making industrial peace and harmony in the business words.
PO - 05	Digital Technology skills : digital technology skills for ICT tools for better business operations, activities and management of modern business organisations.
PO - 06	Teamwork and Leadership Skills: enhance teamwork and leadership skills among students for successful future business leaders instead managers.
PO - 07	Crtical Thinking and Creativity Skills : enhance critical thinking and creativity skills for making decisions and solving problems, evaluting tools and development creativity in industries and business world.
PO - 08	Lifelong Learning Skills: Inculcalate life long learning skills for the personal as well as professional development for updating knowledge in future personal as well as professional life.
PO - 09	Sustainable Development: aquire skills for sustainable development in the filed of commerce, management and economics.
PO - 10	Ethics & social Justice: adopt ethics and social justice in day to day working of business operations of industries.

K.J.Somaiya College of Arts, Commerce & Science, Kopargaoon



Faculty : Commerce & Management

Programme : Bachelor of Commerce (B.Com.)

PSO (Programme Specific Outcomes)

PSO NO	STATEMENTS
PSO - 01	Identify and apply basics skills in commerce for analysis of various problems in accounting, costing, auditing and taxation, law, management, communication, economics, ICT, marketing, mathematics and statistics.
PSO - 02	Demonstrate the specific skills in accounting and costing as main domain to create values in modern business worlds .
PSO - 03	Define and facilitate employability and career values and skills through providing knowledge in the field of accounting, costing, taxation, auditing and commerce



K.J.Somaiya College of Arts, Commerce & Science, Kopargaoon

Faculty : Commerce & Management

Programme : Bachelor of Commerce (B.Com.)

A.Y 2022-23 (Sem VI) T.Y.B Com.

Course Name: Business Regulatory Framework

Class: T.Y.B.Com.

Semester: VI

Course Outcome Statements

Course No.	Course Outcome No.	Statements	Knowledge(K) Skill(S) Attitude(A)	Blooms level	Blooms level
At the end of the course, students will be able to:					
361	CO-1	Explain procedure and practices about negotiable instruments and liabilities of parties in case of dishonor of negotiable instruments	K	L2, L4, L5	Understanding, Analyzing and Evaluating
	CO-2	Describes and give examples about the E-Content, E-Commerce and their legal aspects	K & S	L1, L2	Remembering, Understanding
	CO-3	Discuss and analyze regulatory mechanism of consumer protection and procedural aspects of redressal of consumers grievances	K	L2, L4	Understanding and Analyzing
	CO-4	Describes emerging developments in the area of intellectual property laws and their impact on the Indian businesses.	K	L1, L2	Remembering and Understanding



K.J.Somaiya College of Arts, Commerce & Science, Kopargaoon

Faculty : Commerce & Management

Programme : Bachelor of Commerce (B.Com.)

Course Name: Business Regulatory Framework-II

Class: T.Y.B.Com

Semester: VI

Tools & Rubrics for Assessment

Course No	Course Code	Course Name	Direct Assessment Tools					Indirect Assessment Tool
			External	Internal				
361	361	Business Regulatory Framework-II	ESE	CA1 Test	CA2 Test	CA3 Assignment	CA4 Assignment	Course Exit Survey
				10	10	5	5	
		Direct Attainment Ratio	70	30				
		Final Attainment Ratio	70					30



K.J.Somaiya College of Arts, Commerce & Science, Kopergaon

Faculty : Commerce & Management

Programme : Bachelor of Commerce (B.Com.)

A.Y 2022-23 (Sem VI) T.Y. B. Com.

Course Name: Business Regulatory Framework-II

Semester: VI

Setting CO Attainment Targets

Course No.	Course Outcome No.	Statements	Target (Class Average)	Justification	CA1	CA2	CA3	CA4
361	CO-1	Explain procedure and practices about negotiable instruments and liabilities of parties in case of dishonor of negotiable instruments	50%	All the CO are considered equally important, hence assigned same target for each CO. As this is basic core subject, hence the target assigned is 50%	Yes			
	CO-2	Describes and give examples about the E-Content, E-Commerce and their legal aspects	50%			Yes		
	CO-3	Discuss and analyze regulatory mechanism of consumer protection and procedural aspects of redressal of consumers grievances	50%				Yes	
	CO-4	Describes emerging developments in the area of intellectual property laws and their impact on the Indian businesses.	50%					Yes



K.J. Somaiya College of Arts, Commerce & Science, Kopargaoon

Faculty of Commerce & Management

Programme : Bachelor of Commerce (B.Com.)

A.Y 2022-23 (Sem VI) T.Y.B.Com.

Course Name: Business Regulatory Framework -II

Course Code:361

Class Test-CA1 Question Paper

Course Name: Business Regulatory Framework	Course Code:361
Class: T.Y.B.Com. Sem-VI	
Date:	Time:10.30 Am. Maximum Marks:10
Instructions	
1) Write answer in details and suitable explanation	
Q1. Write the Answer of Following Question	(1 X 10 = 10)
1 Explain various instrument of negotiable instruments	Course Outcome
	CO-1

Class Test-CA2 Question Paper

Course Name: Business Regulatory Framework	Course Code:361
Class: T.Y.B.Com. Sem-VI	
Date:	Time:10.30 Am. Maximum Marks:10
Instructions	
1) Write answer in details and suitable explanation	
Q1. Write the Answer of Following Question	(1 X 10 = 10)
1 Explain various instrument of negotiable instruments	Course Outcome
	CO-2

Class Assignment -CA3 Question Paper

Course Name: Business Regulatory Framework	Course Code:361
Class: T.Y.B.Com. Sem-VI	
Date:	Time:10.30 Am. Maximum Marks:05
Instructions	
1) Write answer in details and suitable explanation	
Q1. Write the Answer of Following Question	(1 X 5 = 5)
1 Explain various instrument of negotiable instruments	Course Outcome
	CO-3

Class Assignment-CA4 Question Paper

Course Name: Business Regulatory Framework	Course Code:361
Class: T.Y.B.Com. Sem-VI	
Date:	Time:10.30 Am. Maximum Marks:05
Instructions	
1) Write answer in details and suitable explanation	
Q1. Write the Answer of Following Question	(1 X 5 = 5)
1 Explain various instrument of negotiable instruments	Course Outcome
	CO-4

**K.J. Somaiya College of Arts, Commerce & Science, Kopergaon****Faculty of Commerce & Management****Programme : Bachelor of Commerce (B.Com.)**

Academic Year 2022-23 (Sem. VI)

Course Code : 361			Course Name : Business Regulatory Framework- II								
Sr. No.	Roll No	Student Name	CO-01	CO-02		CO-03	CO-04		361 BRF - II		
			Test -1 (10)	Test -2 (10)	Total Test (20)	Assignment 1 (5)	Assignment 2 (5)	Total Assignment (10)	Internal (30)	External (70)	Total (100)
1	79	ABHALE KAVITA BABASAHEB	8	7	15	4	4	8	23	62	85
2	186	ABHALE MONALI KAILAS	9	9	18	4	5	9	27	45	72
3	185	ABHALE NIKITA RAJENDRA	8	7	15	4	4	8	23	39	62
4	74	ADHAV PRASANNA SATISH	9	8	17	5	4	9	26	58	84
5	28	AHER MAYURI NITIN	9	9	18	5	4	9	27	44	71
6	157	AUTADE JAYASHRI MACHHINDRA	8	7	15	4	3	7	22	51	73
7	169	AUTADE PRAVIN SOMNATH	8	8	16	4	4	8	24	57	81
8	170	AUTADE SANDESH MINANATH	3	5	8	2	2	4	12	28	40
9	175	AUTADE SHUBHAM NAVNATH	8	8	16	4	4	8	24	38	62
10	21	AVHAD ANKITA ANANT	9	8	17	4	4	8	25	42	67
11	168	BADHE KRUSHNA DATTATRAY	7	8	15	3	5	8	23	41	64
12	33	BAGAL KOMAL DNYANESHWAR	5	6	11	3	2	5	16	42	58
13	99	BAGAL SHRADDHA VASANT	8	8	16	5	3	8	24	35	59
14	134	BAGUL KOMAL UTTAM	5	6	11	3	2	5	16	42	58
15	107	BAGUL MANGESH BALU	8	8	16	4	4	8	24	41	65
16	24	BARDE SARALA BABASAHEB	6	7	13	4	3	7	20	43	63
17	227	BEG FARDIN SULTAN	10	9	19	5	4	9	28	50	78
18	131	BELDAR SAGAR DEEPAK	8	7	15	3	4	7	22	41	63
19	38	BHARTI AKSHADA BALASAHEB	7	9	16	4	4	8	24	50	74
20	202	BHUGAD AMOL NARAYAN	6	5	11	3	2	5	16	34	50
21	46	BIDWE PRANALI SUBHASH	9	8	17	5	4	9	26	56	82
22	179	BODKHE VISHAL SUBHASH	6	8	14	3	4	7	21	34	55
23	6	BORASE DIPALI DILIP	9	8	17	4	4	8	25	60	85
24	8	BORASE VAISHNAVI EKNATH	8	9	17	4	4	8	25	60	85
25	199	BORBANE PRAVIN KAILAS	7	8	15	4	4	8	23	58	81
26	88	BORDE SANDIP GIRJINATH	7	7	14	3	4	7	21	31	52
27	43	BORNARE ASHVINI PRAKASH	9	10	19	5	4	9	28	59	87
28	42	BORNARE MAYURI RAGHUNATH	9	10	19	4	5	9	28	41	69
29	71	CHASKAR PRAJAKTA VISHWAS	8	8	16	4	4	8	24	50	74
30	64	CHAUDHARI ABHAY ANIL	7	9	16	4	4	8	24	32	56
31	72	CHAUDHARI AJAY NARAYAN	8	9	17	5	4	9	26	55	81
32	222	CHAUDHARI DAYANAND SANJAY	6	6	12	3	3	6	18	16	34
33	36	CHAUDHARI POOJA NANASAHEB	9	8	17	5	4	9	26	54	80
34	35	CHAUDHARI PRATIKSHA NARAYAN	8	9	17	5	4	9	26	51	77
35	39	CHAUDHARI RUTUJA DADASAHEB	8	9	17	4	4	8	25	42	67
36	155	CHAVAN ARCHANA CHANDRAKANT	7	9	16	4	4	8	24	58	82
37	47	CHAVAN UMA RAJENDRA	9	10	19	5	4	9	28	46	74
38	83	CHAVHAN UMESH BALASAHEB	7	6	13	3	3	6	19	28	47
39	152	CHINE DIPALI ARUN	6	7	13	3	3	6	19	29	48
40	112	CHINE MAHESH ASHOK	8	8	16	4	4	8	24	38	62
41	236	CHINE POONAM VASANT	6	8	14	4	3	7	21	37	58
42	85	CHINE PRITI ARUN	9	8	17	4	4	8	25	45	70
43	212	CHINE ROSHAN DATTATRAY	6	6	12	3	3	6	18	34	52
44	217	CHINE VAISHNAVI KAILAS	10	9	19	5	4	9	28	44	72
45	57	DABHADE YOGITA VILAS	8	7	15	4	4	8	23	54	77
46	145	DAGADE SIDDHI NILESH	6	7	13	3	3	6	19	39	58
47	161	DALVI AJINKYA PRAKASH	3	3	8	2	2	4	12	29	41
48	178	DARGUDE NIKITA DHARMRAJ	9	8	17	5	4	9	26	36	62
49	67	DAVANGE POOJA SANJAY	3	3	8	2	2	4	12	21	33
50	27	DESAI POOJA ANIL	10	9	19	5	4	9	28	59	87
51	115	DESHMUKH GAYATRI BAPUSAHEB	7	6	13	4	3	7	20	56	76
52	159	DESHMUKH PRATIKSHA SANJAY	8	9	17	4	4	8	25	49	74
53	48	DESHMUKH SAKSHI SAMBHAJI	9	8	17	4	5	9	26	54	80
54	20	DESHPANDE ADITYA VINAYAK	8	8	16	4	4	8	24	51	75
55	224	DHANWATE RAMDAS DAMODAR	3	5	8	2	2	4	12	28	40
56	23	DHOLE ARCHANA BHIKAN	7	7	14	4	3	7	21	36	57
57	235	DHUMAL SHRIKANT VIJAY	6	5	11	3	3	6	17	22	39
58	184	DIGHE VAISHALI SAMBHAJI	8	9	17	4	4	8	25	31	56
59	135	DIWANE VAISHNAVI SUNIL	10	9	19	5	4	9	28	53	81
60	40	DOLAS JANHAVI JALINDAR	9	8	17	4	5	9	26	56	82
61	180	DONGARE RUSHIKESH KISHOR	8	7	15	3	4	7	22	28	50
62	132	GADHAVE GAURAV MACHHINDRA	4	5	9	3	2	5	14	32	46
63	207	GADHE AJAY SUNIL	5	4	9	3	2	5	14	32	46
64	220	GAIKWAD ADITYA DEVIDAS	5	6	11	3	3	6	17	19	36
65	188	GAIKWAD KOMAL SANJAY	8	9	17	4	4	8	25	47	72
66	221	GAIKWAD MADHAVNATH KAILAS	4	4	8	2	2	4	12	AA	12
67	96	GAIKWAD MAHESH KISAN	4	4	8	2	2	4	12	28	40
68	229	GAIKWAD MAHESH SHIVAJI	8	5	13	3	3	6	19	24	43
69	238	GAIKWAD PRATIKSHA UMAJI	7	8	15	4	4	8	23	28	51

70	218	GAIKWAD VIJAY LAXIMAN	5	6	11	3	2	5	16	39	55
71	143	GANGAVE DIPALI RAMESH	8	7	15	4	4	8	23	36	59
72	76	GARUD RESHMA YOGESH	8	8	16	4	4	8	24	28	52
73	18	GAVANDI AMOL RAMDAS	7	8	15	3	4	7	22	45	67
74	176	GAVHALE MAHESH SUDAM	7	7	14	3	4	7	21	48	69
75	98	GAVHANE SHEETAL RAVINDRA	8	6	14	4	3	7	21	37	58
76	150	GAWALI PRATIKSHA VILAS	7	8	15	4	3	7	22	30	52
77	213	GAWANDE PRIYA DILIP	8	7	15	4	4	8	23	31	54
78	139	GHONGANE AKANKSHA SANTOSH	9	8	17	5	4	9	26	53	79
79	182	GHUMARE JAY KAILAS	4	4	8	2	2	4	12	18	30
80	223	GITE AMOL HAUSHIRAM	3	5	8	2	2	4	12	28	40
81	51	GODASE MEGHA BHAUSAHEB	5	6	11	3	2	5	16	30	46
82	15	GODSE RAJASHREE YOGESH	9	8	17	3	5	8	25	48	73
83	37	GOSAVI AARTI POPAT	9	9	18	5	4	9	27	44	71
84	239	GUJAR AVINASH BALKRUSHNA	4	4	8	2	2	4	12	9	21
85	225	GUJRATHI KHUSHI SATISH	10	9	19	5	4	9	28	41	69
86	173	GURSAL TUSHAR DNYANESHWAR	8	7	15	4	3	7	22	29	51
87	73	HANDE SAKSHI SANDEEP	10	9	19	5	4	9	28	50	78
88	163	HON PRATIKSHA RAJENDRA	9	8	17	4	4	8	25	42	67
89	162	HON PRITAM NIRANJAN	8	9	17	4	5	9	26	43	69
90	34	HON SAMIKSHA KARNASAHEB	8	9	17	5	4	9	26	AA	26
91	5	HON VAISHNAVI LALJI	10	9	19	4	5	9	28	53	81
92	183	JADHAV ADITYA KAMALAKAR	4	4	8	2	2	4	12	44	56
93	194	JADHAV AKSHADA KESHAV	9	7	16	4	4	8	24	38	62
94	142	JADHAV ASHUTOSH ANAND	8	8	16	4	4	8	24	54	78
95	172	JADHAV MAYUR BALASAHEB	6	7	13	3	4	7	20	29	49
96	133	JADHAV NIKHIL SANTOSH	7	6	13	4	3	7	20	43	63
97	41	JADHAV PRITIMA KISHOR	9	9	18	5	4	9	27	39	66
98	106	JADHAV RUSHIKESH AMBADAS	4	4	8	2	2	4	12	28	40
99	187	JADHAV VAISHNAVI ANIL	7	7	14	3	4	7	21	30	51
100	244	JADHAV VARSHA DIPAK	4	4	8	2	2	4	12	32	44
101	19	JAGTAP PRASAD RAJENDRA	8	8	16	4	4	8	24	33	57
102	94	JAMDAR TEJAS PANDHARINATH	8	8	16	4	4	8	24	32	56
103	91	JAPE AISHWARYA BABASAHEB	9	9	18	4	5	9	27	29	56
104	55	JOSHI POOJA SANJAY	8	10	18	5	4	9	27	45	72
105	148	KADAM TEJASWINI DILIP	8	7	15	3	4	7	22	36	58
106	147	KADAM VAISHNAVI SUNIL	9	7	16	4	4	8	24	14	38
107	144	KAHAR PRAPTI SHAM	9	8	17	4	4	8	25	35	60
108	231	KALANTRI KRISHNA GIRISH	5	6	11	3	2	5	16	12	28
109	164	KALE SONALI SHARAD	4	4	8	2	2	4	12	12	24
110	54	KALWAGHE PRADNYA ANIL	9	8	17	5	4	9	26	29	55
111	31	KAPSE VAISHALI RAJENDRA	10	9	19	4	5	9	28	52	80
112	12	KARDILE VIVEK ARUN	8	7	15	4	4	8	23	30	53
113	30	KASAR KALYANI SHIVAJI	9	6	15	4	4	8	23	28	51
114	29	KATKAR RUPALI LAXMAN	10	7	17	5	4	9	26	35	61
115	13	KAWADE GAYATRI SANTOSH	9	9	18	4	5	9	27	36	63
116	81	KHADAKE PRIYANKA SANJAY	8	9	17	5	4	9	26	50	76
117	78	KHAIRNAR KAJAL KAILAS	8	8	16	4	4	8	24	29	53
118	200	KHAIKAR SAMADHAN BALASAHEB	7	8	15	3	4	7	22	28	50
119	204	KHANDAGE PURUSHOTTAM VILAS	9	8	17	5	4	9	26	29	55
120	174	KHARAT DHANANJAY VIJAY	8	8	16	4	4	8	24	29	53
121	153	KHILARI TRIGUNI DADASAHEB	9	8	17	4	4	8	25	53	78
122	138	KOKANE ANUPAMA SHANKAR	8	9	17	5	4	9	26	64	90
123	3	KOLHE POOJA ASHOK	4	5	9	3	2	5	14	30	44
124	108	KOLHE RUTUJA SANJAY	8	8	16	4	4	8	24	38	62
125	190	KULAL TUSHAR NAVNATH	7	6	13	3	3	6	19	29	48
126	7	KULTHE GAURI SANJAY	8	8	16	4	4	8	24	55	79
127	248	LAHIRE OMKAR TULSHIDAS	4	4	8	2	2	4	12	AA	12
128	80	LAHIRE PALLAVI NANASAHEB	4	4	8	2	2	4	12	50	62
129	103	LAVHATE SHEKHAR DILIP	8	8	16	4	4	8	24	28	52
130	65	LOHAKANE TANVI NIVRUTTI	9	8	17	4	4	8	25	47	72
131	92	LOLAGE ANIKET SATISH	8	8	16	4	4	8	24	58	82
132	233	MAGAR ANITA SANJAY	9	9	18	5	4	9	27	51	78
133	89	MAGAR VAISHNAVI SHAM	8	7	15	4	4	8	23	42	65
134	165	MALAVE VAISHALI NITIN	9	9	18	4	5	9	27	49	76
135	60	MANIYAR AAYESHA NADIM	9	9	18	5	4	9	27	54	81
136	68	MORE AJAY VINOD	5	6	11	3	2	5	16	28	44
137	9	MORE ARATI UTTAM	9	9	18	5	4	9	27	59	86
138	140	MORE GAURI MINANATH	8	7	15	4	4	8	23	28	51
139	228	MORE SHIVRAJ DADASAHEB	5	5	10	3	2	5	15	AA	15
140	177	MORE SONALI BHANUDAS	8	8	16	4	4	8	24	34	58
141	45	NAIKWADE VAISHNAVI SAGAR	10	9	19	5	4	9	28	57	85
142	95	NALAWADE SAMADHAN DADASAHEB	7	7	14	3	4	7	21	29	50
143	22	NANKAR GAYATRI RAJENDRA	8	8	16	4	4	8	24	45	69
144	250	NAWALE SHIVRAJ NITIN	4	4	8	2	2	4	12	32	44
145	154	NIKAM KALYANI BALASAHEB	9	8	17	4	4	8	25	28	53

146	26	NIKAM KUMUDINI JITENDRA	9	8	17	4	4	8	25	34	59
147	101	PACHORE AARTI ANNASHEB	8	7	15	4	4	8	23	45	68
148	113	PACHORE AKSHAY SAMPAT	4	4	8	2	2	4	12	AA	12
149	237	PACHORE ANIKET SANJAY	4	4	8	2	2	4	12	AA	12
150	2	PACHORE POOJA MADHUKAR	8	8	16	4	4	8	24	49	73
151	16	PACHORE PUSHPA MACHHINDRA	8	7	15	4	4	8	23	20	43
152	109	PACHORE ROHIT JAGANNATH	6	5	11	3	3	6	17	35	52
153	100	PADEKAR AKANKSHA SUNIL	6	6	12	3	3	6	18	34	52
154	189	PADEKAR SAKSHI SUNIL	4	4	8	2	2	4	12	18	30
155	167	PANGAYHANE KRUSHNA RAJENDRA	8	8	16	4	4	8	24	10	34
156	246	PARDESHI MONALI RAJU	4	4	8	2	2	4	12	14	26
157	198	PARHE SACHIN RAVINDRA	9	7	16	4	4	8	24	29	53
158	61	PATHAN SABIYA GAFAR	8	10	18	5	4	9	27	44	71
159	70	PAWAR KARTIKI ANIL	9	7	16	4	4	8	24	42	66
160	49	PAWAR ROHIT VILAS	8	9	17	4	5	9	26	39	65
161	206	PENDHARE SADHANA DIGAMBAR	7	8	15	4	4	8	23	28	51
162	136	POL GAURI ANIL	8	8	16	3	5	8	24	17	41
163	195	RAHANE HARSHAD JALINDAR	4	5	9	2	2	4	13	42	55
164	44	RAKTATE SAKSHI SANJAY	10	9	19	5	4	9	28	53	81
165	209	RAKTATE SHUBHAM BALASAHEB	9	8	17	4	4	8	25	37	62
166	141	RANDHIR POOJA RAJU	8	8	16	4	4	8	24	40	64
167	84	RASAL SAHIL DATTATRAY	8	7	15	3	4	7	22	42	64
168	87	RAUT AKSHAY SANJAY	7	8	15	4	4	8	23	30	53
169	69	ROHAMARE ROHIT NANASAHEB	8	7	15	4	4	8	23	35	58
170	82	SABANE VAISHNAVI PRAKASH	4	4	8	2	2	4	12	30	42
171	196	SALVE MEGHNATH RAJENDRA	7	7	14	3	4	7	21	28	49
172	32	SALVE SHRADDHA BHARAT	9	8	17	4	4	8	25	28	53
173	75	SANAP NIKITA VASANT	7	10	17	4	4	8	25	38	63
174	4	SARWAR SWATI ASHOK	8	7	15	4	3	7	22	28	50
175	230	SAYYAD SHAKIR NURMAHAMAD	8	8	16	4	4	8	24	40	64
176	62	SHAIKH ALFIYA ANWAR	9	9	18	4	5	9	27	43	70
177	245	SHAIKH AMAN YUNUS	6	7	13	3	4	7	20	35	55
178	137	SHAIKH ASHIYA YUNUS	8	9	17	5	4	9	26	39	65
179	53	SHAIKH SANA RAJAK	10	9	19	4	5	9	28	44	72
180	59	SHAIKH SIDDIKA FARUK	8	8	16	4	4	8	24	36	60
181	1	SHAIKH TARIK JAVED	4	5	9	3	2	5	14	35	49
182	158	SHEJAWAL SAKSHI BHAUSAHEB	8	8	16	4	4	8	24	28	52
183	25	SHELKE NAYAN BHAGWAN	9	9	18	5	4	9	27	49	76
184	216	SHINDE JAY PRAVIN	4	4	8	2	2	4	12	AA	12
185	77	SHINDE RUPALI DIPAK	8	8	16	4	4	8	24	30	54
186	171	SHINDE SAI RAVINDRA	9	8	17	4	4	8	25	31	56
187	97	SHINDE SHUBHAM REVJINANA	5	6	11	3	2	5	16	29	45
188	232	SHINGAN GANESH BHIMRAJ	5	6	11	3	2	5	16	30	46
189	11	SINGAR ANCHAL SHIVKANT	8	8	16	4	4	8	24	34	58
190	63	SONAWANE SAKSHI ASHOK	9	8	17	5	4	9	26	54	80
191	215	SONAWANE SANKET VALMIK	4	4	8	2	2	4	12	30	42
192	201	SURADKAR SAURABH SUNIL	7	8	15	4	4	8	23	34	57
193	191	SURYAWANSHI SUDARSHAN JUTTLAL	8	8	16	4	4	8	24	32	56
194	226	TAMBE NIKHIL BALASAHEB	9	8	17	5	4	9	26	19	45
195	93	TENGALE SIDDHESHWAR BABASAHEB	5	6	11	3	2	5	16	38	54
196	56	THOMBARE AKANKSHA SUBHASH	8	9	17	4	5	9	26	32	58
197	58	THORAT SAKSHI SOMNATH	8	8	16	4	4	8	24	38	62
198	192	TILE SANKET DINKAR	5	6	11	3	3	6	17	34	51
199	211	TRIBHUVAN RENUKA SANJAY	9	9	18	5	4	9	27	38	65
200	193	VARKHEDE ATHARVA RAJENDRA	4	4	8	2	2	4	12	40	52
201	249	VARPE ANITA CHABU	7	7	14	3	4	7	21	AA	21
202	197	VAYKAR AKSHAY BHAUSAHEB	8	8	16	4	4	8	24	40	64
203	205	WABALE ASHWIN SANJAY	4	5	9	3	2	5	14	28	42
204	160	WADGE SHWETA VILAS	7	7	14	3	4	7	21	42	63
205	149	WAGH GAYATRI SANJAY	9	10	19	4	5	9	28	37	65
206	166	WAGH KAJAL PRAKASH	4	4	19	2	2	9	28	39	67
207	203	WAGH NIRANJAN SHALIKRAO	9	8	17	4	5	9	26	36	62
208	146	WAGH REVATI AVINASH	4	5	9	3	2	5	14	20	34
209	50	WAGHCHAURE SHUBHAM VILAS	7	9	16	4	4	8	24	38	62
210	66	WAKCHAURE VAISHNAVI DIVYANISHCHVAR	8	7	15	4	4	8	23	47	70
211	156	WAKE PRATIBHA SOMNATH	8	8	16	4	4	8	24	35	59
212	86	WANI AARTI GANESH	10	9	19	5	4	9	28	36	64
213	17	WANI SIDDHANT SANTOSH	8	8	16	4	4	8	24	32	56
214	90	YADAV PUNAM BANDU	8	8	16	4	4	8	24	48	72
215	208	YADUVANSHI NEHA BRIJMOHAN	4	4	8	2	2	4	12	20	32
Average Marks			7.2977	7.2481	14.6140	3.7023	3.5798	7.3070	21.9209	37.9807	58.4884
CO			CO-01	CO-02		CO-03	CO-04				
CO Marks			10	10		5	5			70	
Number of Students Above Average			131	136		140	148			102	
			Y	Y		Y	Y			Y	
% of Attainment			60.93	63.26		65.12	68.84			47.44	



K.J. Somaiya College of Arts, Commerce & Science, Kopargaoon
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A.Y 2022-23 (Sem VI) T.Y.B.Com.

Course Name: Business Regulatory Framework -II

Course Code:361

Sr. No	Question	CO	Level of Agreement			Attainment	% Attainment
			Strongly (3)	Fairly (2)	Neutral (1)		
1	Are you able to learn procedure and practice about negotiable	CO-1	59	140	16	2.2	73
2	Are you able to give examples of E-Content, E-Commerce and their legal aspects ?	CO-2	62	132	21	2.2	73
3	Are you able to evaluate regulatory mechanism of consumer protection and procedural aspects of redressal of consumers grievances	CO-3	45	154	16	2.1	71
4	Are you able to Describes emerging developments in the area of intellectual property laws and their impact on the Indian businesses. ?	CO-4	62	147	6	2.3	75

Note: We should add Following survey to strengthen claim of attainment of Program outcomes

1	Exit surevy	100 % students	Feedback surevy should be based on POs
2	Alumni surevy	10-20 % Alumni	
3	Employer survey	5-10 % Employer	



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Computation of CO Attainment

Attainment of CO using Direct Method					Computation of Total CO Attainment				
Course No.	Course Outcome No.	Internal Assessment (IA) class average %age	External Assessment (ESE)	Direct CO Attainment (30% of IA + 70% ESE)	Course No.	Course Outcome No.	Direct CO Attainment (30% of IA + 70% ESE)	Indirect CO Attainment (obtained from Exit Survey) %age	Total Co Attainment (70% of Direct Attainment + 30 % of exit survey)
361		30	70		361	CO1	51	73	58
	CO1	61	47	51		CO2	52	73	58
	CO2	63	47	52		CO3	53	71	58
	CO3	65	47	53		CO4	54	75	60
	CO4	69	47	54		Average	53	73	59
Average				53					



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Course Code: 361

Computation of CO Attainment

Assessment Plan for Internal Assessment						Class Average in Internal Assessment						
Course No.	Course Outcome No.	CA1	CA2	CA3	CA4	Course No.	Course Outcome No.	CA1	CA2	CA3	CA4	Internal Assessment class average %tage
361	Marks	10	10	5	5	361	Marks	10	10	5	5	100
	CO1	40					CO1	61				61
	CO2		40				CO2		63			63
	CO3			40			CO3			65		65
	CO4				40		CO4				69	69

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Course Code: 361

CO Attainment Gap

Course No.	Course Outcome No.	Total CO Attainment %age	CO Target %age	CO Attainment Gap(Attainment - Target)
361	CO-01	58	50	8
	CO-02	58	50	8
	CO-03	58	50	8
	CO-04	60	50	10

Closure of Quality loop

Course No.	Course Outcome No.	Target %age	Target achieved	Action proposed to bridge the gap	CO Attainment Gap(Attainment - Target)
361	CO-01	50	58		8
	CO-02	50	58		8
	CO-03	50	58		8
	CO-04	50	60		10



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Course Code: 361

CO-PO CORELATION LEVEL PREDECIDED

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO-1	PSO-2	PSO-3
CO-01		✓			✓			✓			✓		
CO-02	✓			✓			✓				✓		
CO-03						✓			✓			✓	
CO-04			✓							✓			✓

Low = 1,

Moderate = 2,

High = 3

CO-PO MATRIX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO-1	PSO-2	PSO-3
CO-01		H			L			H			H		
CO-02	M			M			L				M		
CO-03						M			M			M	
CO-04			H							M			M

CO-PO MATRIX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO-1	PSO-2	PSO-3
CO-01		3			1			3			3		
CO-02	2			2			1				2		
CO-03						2			2			2	
CO-04			3							2			2
361	2	3	3	2	1	2	1	3	2	2	2.5	2	2



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Course Name: Business Regulatory Framework -II

Course Code: 361

CO-PO & PSO MATRIX

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO-01	0	3	0	0	1	0	0	3	0	0	3	0	0
CO-02	2	0	0	2	0	0	1	0	0	0	2	0	0
CO-03	0	0	0	0	0	2	0	0	2	0	0	2	0
CO-04	0	0	3	0	0	0	0	0	0	2	0	0	2
361	2	3	3	2	1	2	1	3	2	2	2.5	2	2

Course No.	Course Outcome No.	Total CO Attainment %age
361	CO-01	58
	CO-02	58
	CO-03	58
	CO-04	60
	Average	59



(Signature)

Co ordinator
IQAC, K. J. Somaiya College
Kopargaoon, Dist. A.Nagar

(Signature)
Principal

K. J. Somaiya College of Arts
Commerce & Science, Kopargaoon

PO & PSO Attainment

361	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
Mapping Strength	2.00	3.00	3.00	2.00	1.00	2.00	1.00	3.00	2.00	2.00	2.50	2.00	2.00
Attainment %_avg	39	59	59	39	20	39	20	59	39	39	49	39	39