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Anekant Education Society's

TULJARAM CHATURCHAND COLLEGE
of Arts, Science and Commerce, Baramati - 413102.

Dist. Pune. Maharashtra, India.

Empowered Autonomous Status

Religious Minority Institute

NAAC Reaccredited 'A+' Grade, CGPA 3.55

NAAC-SSR

Cycle IV

2019 - 2024

Criterion No. II : TEACHING-LEARNING AND EVALUATION

2.6.1 QLM The institution has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution

Attainment of Learning Outcomes for Academic Year 2022 - 2023

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Commerce D.T.L.
Under Graduate Program : Diploma In Taxation Law
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
II	PGDTL111	GENERAL LAW AFFECTING TAXATION	27	25.93	1	0.6	92.59	3	1.2	1.8
	PGDTL112	INCOME TAX	27	29.63	1	0.6	77.78	3	1.2	1.8
	PGDTL113	GOODS AND SERVICES TAX	27	3.7	1	0.6	74.07	3	1.2	1.8
	PGDTL114	CUSTOM ACT	27	22.22	1	0.6	96.3	3	1.2	1.8
	PGDTL115	BUSINESS ACCOUNTING PRACTICES	27	55.56	2	1.2	92.59	3	1.2	2.4
Total			135	137.04	6	3.6	433.33	15	6	9.6
Average			27	27.41	1.2	0.72	86.67	3	1.2	1.92



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.92	3	1.34	0.9	2.24	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of BBA
Under Graduate Program : BBA
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	BBA3501	SUPPLY CHAIN LOGISTIC MANAGEMENT	71	59.15	2	1.2	97.18	3	1.2	2.4
	BBA3502	ENTREPRENEURSHIP DEVELOPMENT	71	52.11	2	1.2	78.87	3	1.2	2.4
	BBA3503	BUSINESS LAW	71	16.9	1	0.6	76.06	3	1.2	1.8
	BBA3504	RESEARCH METHODOLOGY	71	69.01	3	1.8	98.59	3	1.2	3
	BBA3505(A)	HUMAN RESOURCE MANAGEMENT-I	20	65	3	1.8	80	3	1.2	3
	BBA3505(B)	FINANCIAL MANAGEMENT-I	33	42.42	2	1.2	96.97	3	1.2	2.4
	BBA3505(C)	MARKETING MANAGEMENT-I	18	61.11	3	1.8	100	3	1.2	3
	BBA3506(A)	HUMAN RESOURCE MANAGEMENT-II	20	45	2	1.2	95	3	1.2	2.4
	BBA3506(B)	FINANCIAL MANAGEMENT-II	33	63.64	3	1.8	96.97	3	1.2	3
	BBA3506(C)	MARKETING MANAGEMENT-II	18	50	2	1.2	55.56	2	0.8	2
	BBA3507(A)	HUMAN RESOURCE MANAGEMENT PROJECT	20	100	3	1.8				1.8
	BBA3507(B)	FINANCE PROJECT	33	100	3	1.8				1.8
	BBA3507(C)	MARKETING PROJECT	18	94.44	3	1.8				1.8
VI	BBA3601	BUSINESS PLANNING AND PROJECT MANAGEMENT	71	49.3	2	1.2	95.77	3	1.2	2.4
	BBA3602	MANAGEMENT CONTROL SYSTEM	71	57.75	2	1.2	67.61	3	1.2	2.4
	BBA3603	E- BUSINESS	71	42.25	2	1.2	84.51	3	1.2	2.4
	BBA3604	BUSINESS ANALYTICS	71	78.87	3	1.8	98.59	3	1.2	3
	BBA3605(A)	HUMAN RESOURCE MANAGEMENT-I	20	15	1	0.6	80	3	1.2	1.8
	BBA3605(B)	FINANCIAL MANAGEMENT-I	33	75.76	3	1.8	100	3	1.2	3

VI	BBA3605(C)	MARKETING MANAGEMENT-I	18	50	2	1.2	94.44	3	1.2	2.4
	BBA3606(A)	HUMAN RESOURCE MANAGEMENT-II	20	15	1	0.6	80	3	1.2	1.8
	BBA3606(B)	FINANCIAL MANAGEMENT-II	33	93.94	3	1.8	72.73	3	1.2	3
	BBA3606(C)	MARKETING MANAGEMENT-II	18	72.22	3	1.8	50	2	0.8	2.6
	BBA3607(A)	HUMAN RESOURCE MANAGEMENT PROJECT	20	100	3	1.8				1.8
	BBA3607(B)	FINANCIAL PROJECT	33	100	3	1.8				1.8
	BBA3607(C)	MARKETING PROJECT	18	94.44	3	1.8				1.8
Total			994	1663.31	63	37.8	698.85	58	23.2	61
Average			38.23	63.97	2.42	1.45	65.34	2.23	0.89	2.35



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.35	3	1.64	0.9	2.54	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of BCA
Under Graduate Program : BBA (CA)
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	BCA3501	ANDROID APPLICATION PROGRAMMING	73	9.59	1	0.6	57.53	2	0.8	1.4
	BCA3502	.NET PROGRAMMING	73	9.59	1	0.6	94.52	3	1.2	1.8
	BCA3503(A)	CLOUD COMPUTING	73	2.74	1	0.6	42.47	2	0.8	1.4
	BCA3504(B)	MACHINE LEARNING	73	9.59	1	0.6	91.78	3	1.2	1.8
	BCA3505	PROJECT	73	100	3	1.8				1.8
	BCA3506	PRACTICAL-I	73	71.23	3	1.8	57.53	2	0.8	2.6
	BCA3507	PRACTICAL – II	73	76.71	3	1.8	50.68	2	0.8	2.6
	BCA3508	PRACTICAL-III	73	75.34	3	1.8	87.67	3	1.2	3
VI	BCA3601	DATA ANALYTICS USING PYTHON	73	5.48	1	0.6	86.3	3	1.2	1.8
	BCA3602	NOSQL DATABASES	73	20.55	1	0.6	89.04	3	1.2	1.8
	BCA3603(A)	BIG DATA	73	15.07	1	0.6	80.82	3	1.2	1.8
	BCA3604(A)	DATA MINING	73	23.29	1	0.6	54.79	2	0.8	1.4
	BCA3605	PROJECT	73	98.63	3	1.8				1.8
	BCA3606	PRACTICAL - I	73	95.89	3	1.8	91.78	3	1.2	3
	BCA3607	PRACTICAL – II	73	82.19	3	1.8	80.82	3	1.2	3
Total			1095	695.89	29	17.4	965.73	34	13.6	31
Average			73	46.39	1.93	1.16	64.38	2.27	0.91	2.07



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.07	3	1.45	0.9	2.35	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Dairy Technology
Under Graduate Program : B.Voc. Dairy Technology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	DT-501 T	QUALITY ASSURANCE AND WASTE MANAGEMENT	45	53.33	2	1.2	84.44	3	1.2	2.4
	DT-502 T	FAT RICH MILK PRODUCTS	45	71.11	3	1.8	88.89	3	1.2	3
	DT-503 T	DAIRY PLANT MANAGEMENT	45	35.56	1	0.6	42.22	2	0.8	1.4
	DT-5.1 P	QUALITY ASSURANCE AND WASTE MANAGEMENT-I	45	66.67	3	1.8	51.11	2	0.8	2.6
	DT-5.2 P	FAT RICH MILK PRODUCTS-I	45	68.89	3	1.8	64.44	3	1.2	3
	DT-5.3 P	PROJECT	45	91.11	3	1.8	62.22	3	1.2	3
VI	DT-601 T	DAIRY PRODUCT DEVELOPMENT	45	84.44	3	1.8	73.33	3	1.2	3
	DT-602 T	PACKAGING TECHNOLOGY	45	53.33	2	1.2	44.44	2	0.8	2
	DT-603 T	ENTREPRENEURSHIP DEVELOPMENT	45	77.78	3	1.8	82.22	3	1.2	3
	DT-6.1 P	DAIRY PRODUCT DEVELOPMENT-I	45	84.44	3	1.8	53.33	2	0.8	2.6
	DT-6.2 P	PACKAGING TECHNOLOGY-I	45	26.67	1	0.6	28.89	1	0.4	1
	DT-6.3 P	IN-PLANT TRAINING	45	95.56	3	1.8	84.44	3	1.2	3
Total			540	808.89	30	18	759.97	30	12	30
Average			45	67.41	2.5	1.5	63.33	2.5	1	2.5



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.5	3	1.75	0.9	2.65	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Defence Studies
Under Graduate Program : B.A. Defence Studies
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	DEFGEN3501	INDIAS NATIONAL SECURITY IN 21ST CENTURY OR WAR AND CONTEMPORARY WARFARE	22	22.73	1	0.6	45.45	2	0.8	1.4
	DEFSPL3502	INTERNATIONAL AND REGIONAL ORGANIZATIONS	5	20	1	0.6	100	3	1.2	1.8
	DEFSPL3503	DEFENCE ECONOMICS	5	60	3	1.8	80	3	1.2	3
VI	DEFGEN3601	INDIAS NATIONAL SECURITY IN 21ST CENTURY OR WAR AND CONTEMPORARY WARFARE	22	63.64	3	1.8	45.45	2	0.8	2.6
	DEFSPL3602	INTERNATIONAL AND REGIONAL ORGANIZATIONS	5	80	3	1.8	60	3	1.2	3
	DEFSPL3603	DEFENCE ECONOMICS	5	60	3	1.8	60	3	1.2	3
Total			64	306.37	14	8.4	390.9	16	6.4	14.8
Average			10.67	51.06	2.33	1.4	65.15	2.67	1.07	2.47



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.47	3	1.73	0.9	2.63	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of E-Commerce
Under Graduate Program : B.Voc. E-Commerce
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ECDM-501T	ENTREPRENEURSHIP DEVELOPMENT & PROJECT MANAGEMENT	9	77.78	3	1.8	100	3	1.2	3
	ECDM-502T	MARKETING RESEARCH	9	77.78	3	1.8	100	3	1.2	3
	ECDM-503T	HUMAN RESOURCES MANAGEMENT	9	88.89	3	1.8	100	3	1.2	3
	ECDM-504P	SOCIAL MEDIA MARKETING-II	9	100	3	1.8	100	3	1.2	3
	ECDM-505P	GRAPHICS DESIGNS FOR DIGITAL MARKETING	9	100	3	1.8	100	3	1.2	3
	ECDM-506P	PROJECT-I PROJECT REPORT ON SOCIAL MEDIA MARKETING	9	100	3	1.8	100	3	1.2	3
VI	ECDM-601T	DIGITAL MEDIA AND THE LAW	9	55.56	2	1.2	100	3	1.2	2.4
	ECDM-602T	INTEGRATED MARKETING COMMUNICATION	9	55.56	2	1.2	100	3	1.2	2.4
	ECDM-603T	ADVANCE DIGITAL MARKETING - I	9	55.56	2	1.2	100	3	1.2	2.4
	ECDM-604P	ADVANCE DIGITAL MARKETING - II	9	100	3	1.8	100	3	1.2	3
	ECDM-605P	PROJECT - II PROJECT REPORT ON WEB DEVELOPMENT	9	100	3	1.8	100	3	1.2	3
	ECDM-606P	PROJECT - III PROJECT REPORT ON ADVANCE DIGITAL MARKETING	9	100	3	1.8	100	3	1.2	3
Total			108	1011.13	33	19.8	1200	36	14.4	34.2
Average			9	84.26	2.75	1.65	100	3	1.2	2.85



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.85	3	2	0.9	2.9	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Environment
Under Graduate Program : B.Sc.Environmental Science
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	EVS3501	ECOSYSTEM MANAGEMENT	3	66.67	3	1.8	100	3	1.2	3
	EVS3502	WILDLIFE BIOLOGY	3	66.67	3	1.8	100	3	1.2	3
	EVS3503	GEOSCIENCE	3	66.67	3	1.8	100	3	1.2	3
	EVS3504	NATURE CONSERVATION	3	66.67	3	1.8	100	3	1.2	3
	EVS3505	ENVIRONMENTAL GOVERNANCE, LAWS AND ETHICS	3	66.67	3	1.8	100	3	1.2	3
	EVS3506	ENVIRONMENTAL BIOTECHNOLOGY	3	66.67	3	1.8	100	3	1.2	3
	EVS3507	ENVIRONMENTAL SCIENCE PRACTICAL-I	3	66.67	3	1.8	66.67	3	1.2	3
	EVS3508	ENVIRONMENTAL SCIENCE PRACTICAL – II	3	66.67	3	1.8	66.67	3	1.2	3
	EVS3509	ENVIRONMENTAL SCIENCE PRACTICAL – III	3	100	3	1.8	66.67	3	1.2	3
VI	EVS3601	CLIMATE CHANGE	3	66.67	3	1.8	100	3	1.2	3
	EVS3602	ANALYTICAL METHODS	3	100	3	1.8	100	3	1.2	3
	EVS3603	SUSTAINABLE DEVELOPMENT	3	100	3	1.8	100	3	1.2	3
	EVS3604	ENVIRONMENTAL STATISTICS	3	66.67	3	1.8	100	3	1.2	3
	EVS3605	ENVIRONMENTAL RISK AND ASSESSMENT MANAGEMENT	3	66.67	3	1.8	100	3	1.2	3
	EVS3606	ENVIRONMENTAL ECONOMICS AND AUDIT	3	100	3	1.8	100	3	1.2	3
	EVS3607	ENVIRONMENTAL SCIENCE PRACTICAL - I	3	100	3	1.8	100	3	1.2	3
	EVS3608	ENVIRONMENTAL SCIENCE PRACTICAL – II	3	100	3	1.8	100	3	1.2	3
	EVS3609	PROJECT	3	100	3	1.8	100	3	1.2	3

	Total	54	1433.37	54	32.4	700.01	54	21.6	54
	Average	3	79.63	3	1.8	94.44	3	1.2	3



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
3	3	2.1	0.9	3	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Retail
Under Graduate Program : B.Voc. Retail Management
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	RM-1501 T	MARKETING RESEARCH	32	21.88	1	0.6	25	1	0.4	1
	RM-1502 T	BANK FINANCE	32	37.5	1	0.6	46.88	2	0.8	1.4
	RM-1503 T	HUMAN RESOURCE MANAGEMENT FOR RETAIL MANAGEMENT	32	31.25	1	0.6	25	1	0.4	1
	RM-1504 P	INTERNSHIP	32	46.88	2	1.2	62.5	3	1.2	2.4
	RM-1505 P	MATERIAL AND LOGISTICS MANAGEMENT	32	21.88	1	0.6	28.12	1	0.4	1
	RM-1506 P	RETAIL STORE OPERATION-III	32	46.88	2	1.2	53.12	2	0.8	2
VI	RM-1601 T	MARKETING MANAGEMENT	32	37.5	1	0.6	50	2	0.8	1.4
	RM-1602 T	RETAIL FINANCIAL SERVICES	32	71.88	3	1.8	68.75	3	1.2	3
	RM-1603 T	ENTREPRENEURSHIP DEVELOPMENT	32	43.75	2	1.2	43.75	2	0.8	2
	RM-1604 P	INTERNSHIP	32	78.12	3	1.8	81.25	3	1.2	3
	RM-1605 P	E-COMMERCE AND DIGITAL MARKETING	32	25	1	0.6	34.38	1	0.4	1
	RM-1606 P	RETAIL STORE OPERATION-IV	32	46.88	2	1.2	56.25	2	0.8	2
Total			384	509.4	20	12	575	23	9.2	21.2
Average			32	42.45	1.67	1	47.92	1.92	0.77	1.77



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.77	3	1.24	0.9	2.14	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Sociology
Under Graduate Program : B.A. Sociology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	SOCGEN3501	WORK AND SOCIETY / CRIME AND SOCIETY	38	36.84	1	0.6	86.84	3	1.2	1.8
	SOCSP3502	SOCIAL RESEARCH METHODS	12	25	1	0.6	83.33	3	1.2	1.8
	SOCSP3503	CONTEMPORARY INDIAN SOCIETY	12				91.67	3	1.2	1.2
VI	SOCGEN3601	WORK AND SOCIETY / CRIME AND SOCIETY	38	57.89	2	1.2	89.47	3	1.2	2.4
	SOCSP3602	SOCIAL RESEARCH METHODS	12	16.67	1	0.6	66.67	3	1.2	1.8
	SOCSP3603	CONTEMPORARY INDIAN SOCIETY	12	50	2	1.2	75	3	1.2	2.4
Total			124	186.4	7	4.2	492.98	18	7.2	11.4
Average			20.67	31.07	1.17	0.7	82.16	3	1.2	1.9



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.9	3	1.33	0.9	2.23	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Food Processing
Under Graduate Program : B.Voc. Food Processing
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	FP-13 T	DAIRY TECHNOLOGY	44	70.45	3	1.8	100	3	1.2	3
	FP-14 T	FOOD QUALITY, LAWS AND REGULATIONS	44	43.18	2	1.2	100	3	1.2	2.4
	FP-15 T	PRINCIPLE OF POST HARVEST TECHNOLOGY	44	65.91	3	1.8	100	3	1.2	3
	FP-5.1 P	PRACTICAL OF DAIRY TECHNOLOGY	44	36.36	1	0.6	100	3	1.2	1.8
	FP-5.2 P	ENTREPRENEURSHIP DEVELOPMENT	44	34.09	1	0.6	100	3	1.2	1.8
	FP-5.3 P	PROJECT	44	52.27	2	1.2	100	3	1.2	2.4
VI	FP-16 T	ANIMAL PRODUCT TECHNOLOGY	44	86.36	3	1.8	97.73	3	1.2	3
	FP-17 T	FOOD, SAFETY, HYGIENE AND SANITATION	44	72.73	3	1.8	97.73	3	1.2	3
	FP-18 T	PACKAGING TECHNOLOGY	44	61.36	3	1.8	97.73	3	1.2	3
	FP-6.1 P	ANIMAL PRODUCT TECHNOLOGY	44	9.09	1	0.6	97.73	3	1.2	1.8
	FP-6.2 P	PRACTICAL OF PACKAGING TECHNOLOGY	44	25	1	0.6	97.73	3	1.2	1.8
	FP-6.3 P	INTERNSHIP	44	25	1	0.6	97.73	3	1.2	1.8
Total			528	581.8	24	14.4	186.36	36	14.4	28.8
Average			44	48.48	2	1.2	98.86	3	1.2	2.4



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.4	3	1.68	0.9	2.58	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Journalism
Under Graduate Program : B.Voc. Journalism & Mass Communication
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	JR-501 T	INTRODUCTION TO DIGITAL MEDIA	21	23.81	1	0.6	66.67	3	1.2	1.8
	JR-502 T	INTRODUCTION TO MEDIA RESEARCH	21	19.05	1	0.6	90.48	3	1.2	1.8
	JR-503 T	MASS COMMUNICATION THEORY	21	4.76	1	0.6	38.1	1	0.4	1
	JR-504 P	CONTENT DEVELOPMENT FOR DIGITAL MEDIA	21	71.43	3	1.8	80.95	3	1.2	3
	JR-505 P	VIDEO PRODUCTION PROJECT	21	38.1	1	0.6	28.57	1	0.4	1
	JR-506 P	INDUSTRY INTERNSHIP	21	71.43	3	1.8				1.8
VI	JR-601 T	BASICS OF ADVERTISING	21	23.81	1	0.6	23.81	1	0.4	1
	JR-602 T	BASICS OF PUBLIC RELATIONS	21	19.05	1	0.6	61.9	3	1.2	1.8
	JR-603 T	MEDIA MANAGEMENT	21	19.05	1	0.6	66.67	3	1.2	1.8
	JR-604 P	ADVERTISING PRACTICES	21	57.14	2	1.2	85.71	3	1.2	2.4
	JR-605 P	DISSERTATION/IN-DEPTH REPORTING (IDR)	21	90.48	3	1.8	85.71	3	1.2	3
	JR-606 P	INTERNSHIP	21	90.48	3	1.8				1.8
Total			252	528.59	21	12.6	628.57	24	9.6	22.2
Average			21	44.05	1.75	1.05	52.38	2	0.8	1.85



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.85	3	1.3	0.9	2.2	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Computer Science
Under Graduate Program : B.Sc. Computer Science
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	CSCO3501	SYSTEM PROGRAMMING & OPERATING SYSTEM	128	17.19	1	0.6	90.62	3	1.2	1.8
	CSCO3502	THEORETICAL COMPUTER SCIENCE	128	21.09	1	0.6	92.97	3	1.2	1.8
	CSCO3503	COMPUTER NETWORKS-I	128	24.22	1	0.6	82.03	3	1.2	1.8
	CSCO3504	WEB DEVELOPMENT – I	128	11.72	1	0.6	70.31	3	1.2	1.8
	CSCO3505	ADVANCED PROGRAMMING IN JAVA	128	4.69	1	0.6	75.78	3	1.2	1.8
	CSCO3506	OBJECT ORIENTED SOFTWARE ENGINEERING	128	23.44	1	0.6	96.09	3	1.2	1.8
	CSCO3507	LAB COURSE I: BASED ON CSCO3501	128	35.16	1	0.6	91.41	3	1.2	1.8
	CSCO3508	LAB COURSE II: BASED ON CSCO3505	128	40.62	2	1.2	36.72	1	0.4	1.6
	CSCO3509	LAB COURSE III: BASED ON CSCO3504	128	46.09	2	1.2	58.59	2	0.8	2
VI	CSCO3601	ADVANCED OPERATING SYSTEM	128	25	1	0.6	87.5	3	1.2	1.8
	CSCO3602	COMPILER CONSTRUCTION	128	45.31	2	1.2	82.81	3	1.2	2.4
	CSCO3603	COMPUTER NETWORKS - II	128	54.69	2	1.2	84.38	3	1.2	2.4
	CSCO3604	WEB DEVELOPMENT-II	128	28.12	1	0.6	92.19	3	1.2	1.8
	CSCO3605	ADVANCED JAVA TECHNOLOGIES – FRAMEWORKS	128	23.44	1	0.6	76.56	3	1.2	1.8
	CSCO3606	SOFTWARE METRICS & PROJECT MANAGEMENT	128	46.09	2	1.2	94.53	3	1.2	2.4
	CSCO3607	LAB COURSE I: BASED ON CSCO3601	128	47.66	2	1.2	75.78	3	1.2	2.4
	CSCO3608	LAB COURSE II: BASED ON CSCO3605 & MINI PROJECT USING JAVA	128	41.41	2	1.2	60.16	3	1.2	2.4
	CSCO3609	LAB COURSE III: BASED ON CSCO3604 & MINI PROJECT USING PHP.	128	78.91	3	1.8	76.56	3	1.2	3

	Total	2304	614.85	27	16.2	424.95	51	20.4	36.6
	Average	128	34.16	1.5	0.9	79.17	2.83	1.13	2.03



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.03	3	1.42	0.9	2.32	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Statistics
Under Graduate Program : B.Sc. Statistics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	STAT3501	DISTRIBUTION THEORY	36	52.78	2	1.2	97.22	3	1.2	2.4
	STAT3502	STATISTICAL INFERENCE- I	36	50	2	1.2	100	3	1.2	2.4
	STAT3503	SAMPLING METHODS	36	22.22	1	0.6	94.44	3	1.2	1.8
	STAT3504	DESIGN OF EXPERIMENTS	36	61.11	3	1.8	100	3	1.2	3
	STAT3505	C- PROGRAMMING	36	30.56	1	0.6	100	3	1.2	1.8
	STAT3506(A)	INTRODUCTION TO STOCHASTIC PROCESSES	36	47.22	2	1.2	94.44	3	1.2	2.4
	STAT3507	STATISTICS PRACTICAL- V	36	91.67	3	1.8	100	3	1.2	3
	STAT3508	STATISTICS PRACTICAL- VI	36	100	3	1.8	100	3	1.2	3
	STAT3509	STATISTICS PRACTICAL- VII	36	97.22	3	1.8	100	3	1.2	3
VI	STAT3601	INTRODUCTION TO REGRESSION ANALYSIS	36	72.22	3	1.8	94.44	3	1.2	3
	STAT3602	STATISTICAL INFERENCE- II	36	69.44	3	1.8	88.89	3	1.2	3
	STAT3603	STATISTICAL QUALITY CONTROL AND RELIABILITY	36	75	3	1.8	86.11	3	1.2	3
	STAT3604	OPERATIONS RESEARCH	36	80.56	3	1.8	94.44	3	1.2	3
	STAT3605	STATISTICAL COMPUTING USING R- SOFTWARE	36	80.56	3	1.8	100	3	1.2	3
	STAT3606(B)	ACTUARIAL STATISTICS	36	50	2	1.2	86.11	3	1.2	2.4
	STAT3607	STATISTICS PRACTICAL- VIII	36	75	3	1.8	97.22	3	1.2	3
	STAT3608	STATISTICS PRACTICAL- IX	36	91.67	3	1.8	97.22	3	1.2	3
	STAT3609	PROJECT	36	100	3	1.8	100	3	1.2	3

	Total	648	1247.23	46	27.6	730.53	54	21.6	49.2
	Average	36	69.29	2.56	1.53	96.14	3	1.2	2.73



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.73	3	1.91	0.9	2.81	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Zoology
Under Graduate Program : B.Sc. Zoology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ZOO3501	ANIMAL SYSTEMATICS & DIVERSITY-V	46	17.39	1	0.6	86.96	3	1.2	1.8
	ZOO3502	MAMMALIAN HISTOLOGY	46	36.96	1	0.6	89.13	3	1.2	1.8
	ZOO3503	BIOCHEMISTRY	46	23.91	1	0.6	67.39	3	1.2	1.8
	ZOO3504	ENVIRONMENTAL BIOLOGY & TOXICOLOGY	46	43.48	2	1.2	91.3	3	1.2	2.4
	ZOO3505	PARASITOLOGY	46	28.26	1	0.6	80.43	3	1.2	1.8
	ZOO3506	CELL BIOLOGY	46	13.04	1	0.6	63.04	3	1.2	1.8
	ZOO3507	ZOOLOGY PRACTICAL-V	46	41.3	2	1.2	91.3	3	1.2	2.4
	ZOO3508	ZOOLOGY PRACTICAL-VI	46	63.04	3	1.8	95.65	3	1.2	3
	ZOO3509	ZOOLOGY PRACTICAL-VII	46	47.83	2	1.2	78.26	3	1.2	2.4
VI	ZOO3601	BIOLOGICAL TECHNIQUES	46	43.48	2	1.2	89.13	3	1.2	2.4
	ZOO3602	MAMMALIAN PHYSIOLOGY & ENDOCRINOLOGY	46	32.61	1	0.6	86.96	3	1.2	1.8
	ZOO3603	GENETICS & MOLECULAR BIOLOGY	46	41.3	2	1.2	84.78	3	1.2	2.4
	ZOO3604	ORGANIC EVOLUTION	46	39.13	1	0.6	80.43	3	1.2	1.8
	ZOO3605	GENERAL EMBRYOLOGY	46	36.96	1	0.6	97.83	3	1.2	1.8
	ZOO3606	MEDICAL ENTOMOLOGY	46	28.26	1	0.6	100	3	1.2	1.8
	ZOO3607	ZOOLOGY PRACTICAL-VIII	46	67.39	3	1.8	93.48	3	1.2	3
	ZOO3608	ZOOLOGY PRACTICAL-IX	46	67.39	3	1.8	97.83	3	1.2	3
	ZOO3609	PROJECT	46	52.17	2	1.2	91.3	3	1.2	2.4

	Total	828	723.9	30	18	1565.2	54	21.6	39.6
	Average	46	40.22	1.67	1	86.96	3	1.2	2.2



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.2	3	1.54	0.9	2.44	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Botany
Under Graduate Program : B.Sc. Botany
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	BOT3501	CRYPTOGAMIC BOTANY (ALGAE, FUNGI, BRYOPHYTES & PTERIDOPHYTES)	37	35.14	1	0.6	89.19	3	1.2	1.8
	BOT3502	SPERMATOPHYTES AND PALAEOBOTANY	37	8.11	1	0.6	78.38	3	1.2	1.8
	BOT3503	CELL AND MOLECULAR BIOLOGY	37	24.32	1	0.6	100	3	1.2	1.8
	BOT3504	INDUSTRIAL BOTANY	37	67.57	3	1.8	94.59	3	1.2	3
	BOT3505	BIOSTATISTICS	37	16.22	1	0.6	100	3	1.2	1.8
	BOT3506	RESEARCH METHODOLOGY	37	21.62	1	0.6	43.24	2	0.8	1.4
	BOT3507	BOTANY PRACTICAL-I	37	64.86	3	1.8	43.24	2	0.8	2.6
	BOT3508	BOTANY PRACTICAL-II	37	78.38	3	1.8	59.46	2	0.8	2.6
	BOT3509	BOTANY PRACTICAL-III	37	67.57	3	1.8	62.16	3	1.2	3
VI	BOT3601	PLANT PHYSIOLOGY AND BIOCHEMISTRY	37	24.32	1	0.6	45.95	2	0.8	1.4
	BOT3602	PLANT BIOTECHNOLOGY	37	21.62	1	0.6	51.35	2	0.8	1.4
	BOT3603	GENETICS AND PLANT BREEDING	37	18.92	1	0.6	54.05	2	0.8	1.4
	BOT3604	PLANT PATHOLOGY	37	48.65	2	1.2	81.08	3	1.2	2.4
	BOT3605	PHARMACOGNOSY	37	29.73	1	0.6	94.59	3	1.2	1.8
	BOT3606	BOTANICAL TECHNIQUES	37	21.62	1	0.6	100	3	1.2	1.8
	BOT3607	BOTANY PRACTICAL - I	37	70.27	3	1.8	59.46	2	0.8	2.6
	BOT3608	BOTANY PRACTICAL - II	37	89.19	3	1.8	40.54	2	0.8	2.6
	BOT3609	PROJECT	37	89.19	3	1.8	27.03	1	0.4	2.2

	Total	666	797.3	33	19.8	224.31	44	17.6	37.4
	Average	37	44.29	1.83	1.1	68.02	2.44	0.98	2.08



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.08	3	1.46	0.9	2.36	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Chemistry
Under Graduate Program : B.Sc. Chemistry
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	CHEM3501	PHYSICAL CHEMISTRY- I	64	35.94	1	0.6	93.75	3	1.2	1.8
	CHEM3502	INORGANIC CHEMISTRY-I	64	34.38	1	0.6	98.44	3	1.2	1.8
	CHEM3503	ORGANIC CHEMISTRY-I	64	12.5	1	0.6	73.44	3	1.2	1.8
	CHEM3504	ANALYTICAL CHEMISTRY-I	64	32.81	1	0.6	90.62	3	1.2	1.8
	CHEM3505	INDUSTRIAL CHEMISTRY-I	64	51.56	2	1.2	93.75	3	1.2	2.4
	CHEM3506(D)	ENVIRONMENTAL AND GREEN CHEMISTRY-I	64	23.44	1	0.6	85.94	3	1.2	1.8
	CHEM3507	PHYSICAL CHEMISTRY PRACTICAL-I	64	92.19	3	1.8	96.88	3	1.2	3
	CHEM3508	INORGANIC CHEMISTRY PRACTICAL- I	64	98.44	3	1.8	92.19	3	1.2	3
	CHEM3509	ORGANIC CHEMISTRY PRACTICAL-I	64	89.06	3	1.8	90.62	3	1.2	3
VI	CHEM3601	PHYSICAL CHEMISTRY- II	64	37.5	1	0.6	98.44	3	1.2	1.8
	CHEM3602	INORGANIC CHEMISTRY-II	64	43.75	2	1.2	98.44	3	1.2	2.4
	CHEM3603	ORGANIC CHEMISTRY-II	64	18.75	1	0.6	90.62	3	1.2	1.8
	CHEM3604	ANALYTICAL CHEMISTRY-II	64	54.69	2	1.2	98.44	3	1.2	2.4
	CHEM3605	INDUSTRIAL CHEMISTRY-II	64	37.5	1	0.6	95.31	3	1.2	1.8
	CHEM3606(D)	ENVIRONMENTAL AND GREEN CHEMISTRY-II	64	28.12	1	0.6	95.31	3	1.2	1.8
	CHEM3607	PHYSICAL CHEMISTRY PRACTICAL-II OR PHYSICAL CHEMISTRY PROJECT	64	95.31	3	1.8	100	3	1.2	3
	CHEM3608	INORGANIC CHEMISTRY PRACTICAL- II OR INORGANIC CHEMISTRY PROJECT	64	85.94	3	1.8	100	3	1.2	3
	CHEM3609	ORGANIC CHEMISTRY PRACTICAL – II OR ORGANIC CHEMISTRY PROJECT	64	92.19	3	1.8	98.44	3	1.2	3

	Total	1152	964.07	33	19.8	690.63	54	21.6	41.4
	Average	64	53.56	1.83	1.1	93.92	3	1.2	2.3



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.3	3	1.61	0.9	2.51	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Commerce
Under Graduate Program : B.Com.

Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	COMBRF3501	BUSINESS REGULATORY FRAMEWORK-I	459	18.95	1	0.6	59.04	2	0.8	1.4
	COMAA3502	ADVANCED ACCOUNTING-I	459	13.94	1	0.6	44.44	2	0.8	1.4
	COMIE3503	INTERNATIONAL ECONOMICS-I	459	19.83	1	0.6	72.77	3	1.2	1.8
	COMA3504	AUDITING	459	15.03	1	0.6	39.65	1	0.4	1
	COMMM3505A	MARKETING MANAGEMENT-III	120	14.17	1	0.6	46.67	2	0.8	1.4
	COMCWA3505	COST AND WORKS ACCOUNTING-III	117	34.19	1	0.6	40.17	2	0.8	1.4
	COMBF3505C	BANKING AND FINANCE-III	177	26.55	1	0.6	53.67	2	0.8	1.4
	COMBS3505D	BUSINESS STATISTICS-III	45	17.78	1	0.6	46.67	2	0.8	1.4
	COMMM3506A	MARKETING MANAGEMENT-IV	120	12.5	1	0.6	64.17	3	1.2	1.8
	COMCWA3506	COST AND WORKS ACCOUNTING-IV	117	43.59	2	1.2	62.39	3	1.2	2.4
	COMBF3506C	BANKING AND FINANCE-IV	177	24.86	1	0.6	89.83	3	1.2	1.8
	COMBS3506D	BUSINESS STATISTICS-IV	45	31.11	1	0.6	62.22	3	1.2	1.8
VI	COMBRF3601	BUSINESS REGULATORY FRAMEWORK-II	459	37.25	1	0.6	53.81	2	0.8	1.4
	COMAA3602	ADVANCED ACCOUNTING - II	459	37.47	1	0.6	57.3	2	0.8	1.4
	COMIE3603	INTERNATIONAL ECONOMICS - II	459	23.97	1	0.6	85.19	3	1.2	1.8
	COMT3604	TAXATION	459	51.2	2	1.2	58.39	2	0.8	2
	COMMM3605A	MARKETING MANAGEMENT - V	120	33.33	1	0.6	58.33	2	0.8	1.4
	COMCWA3605	COST AND WORKS ACCOUNTING - V	117	46.15	2	1.2	61.54	3	1.2	2.4
	COMBF3605C	BANKING AND FINANCE - V	177	34.46	1	0.6	42.94	2	0.8	1.4

VI	COMBS3605D	BUSINESS STATISTICS - V	45	35.56	1	0.6	60	3	1.2	1.8
	COMMM3606A	MARKETING MANAGEMENT - VI	120	11.67	1	0.6	54.17	2	0.8	1.4
	COMCWA3606	COST AND WORKS ACCOUNTING- VI	117	39.32	1	0.6	45.3	2	0.8	1.4
	COMBF3606C	BANKING AND FINANCE – VI	177	41.81	2	1.2	96.05	3	1.2	2.4
	COMBS3606D	BUSINESS STATISTICS - VI	45	33.33	1	0.6	80	3	1.2	1.8
Total			5508	698.02	28	16.8	1434.71	57	22.8	39.6
Average			229.5	29.08	1.17	0.7	59.78	2.38	0.95	1.65



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.65	3	1.16	0.9	2.06	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Economics
Under Graduate Program : B.A. Economics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ECOGEN3501	ECONOMIC DEVELOPMENT AND PLANNING-I	62	20.97	1	0.6	64.52	3	1.2	1.8
	ECOSPL3502	INTERNATIONAL ECONOMICS-I	32	9.38	1	0.6	75	3	1.2	1.8
	ECOSPL3503	ELEMENTARY QUANTITATIVE TECHNIQUE-I	32	15.62	1	0.6	53.12	2	0.8	1.4
VI	ECOGEN3601	ECONOMIC DEVELOPMENT AND PLANNING-II	62	12.9	1	0.6	58.06	2	0.8	1.4
	ECOSPL3602	INTERNATIONAL ECONOMICS-II	32	18.75	1	0.6	75	3	1.2	1.8
	ECOSPL3603	ELEMENTARY QUANTITATIVE TECHNIQUE-II	32	21.88	1	0.6	40.62	2	0.8	1.4
Total			252	99.5	6	3.6	366.32	15	6	9.6
Average			42	16.58	1	0.6	61.05	2.5	1	1.6



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.6	3	1.12	0.9	2.02	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Electronics
Under Graduate Program : B.Sc. Electronics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ELE3501	ADVANCED DIGITAL SYSTEM DESIGN USING VERILOG	10	10	1	0.6	100	3	1.2	1.8
	ELE3502	8051 MICROCONTROLLER	10	10	1	0.6	100	3	1.2	1.8
	ELE3503	ANALOG CIRCUIT DESIGN AND APPLICATIONS OF LINEAR ICS	10	10	1	0.6	100	3	1.2	1.8
	ELE3504	PRINCIPLES OF SEMICONDUCTOR DEVICES	10				100	3	1.2	1.2
	ELE3505	FUNDAMENTALS OF 'C' PROGRAMMING	10				100	3	1.2	1.2
	ELE3506	OPTICAL FIBER COMMUNICATION	10	10	1	0.6	100	3	1.2	1.8
	ELE3507	ELECTRONICS PRACTICAL-I	10	100	3	1.8	100	3	1.2	3
	ELE3508	ELECTRONICS PRACTICAL – II	10	80	3	1.8	100	3	1.2	3
	ELE3509	ELECTRONICS PRACTICAL – III (PROJECT)	10	90	3	1.8	100	3	1.2	3
VI	ELE3601	ADVANCED COMMUNICATION SYSTEMS	10	30	1	0.6	100	3	1.2	1.8
	ELE3602	8051 'C' PROGRAMMING AND EMBEDDED SYSTEMS	10	10	1	0.6	100	3	1.2	1.8
	ELE3603	POWER DEVICES AND CIRCUITS	10	20	1	0.6	100	3	1.2	1.8
	ELE3604	FOUNDATION OF NANO ELECTRONICS	10	30	1	0.6	100	3	1.2	1.8
	ELE3605	MATHEMATICAL METHODS AND CIRCUIT SIMULATION USING MATLAB	10	30	1	0.6	100	3	1.2	1.8
	ELE3606	INDUSTRIAL AUTOMATION	10				100	3	1.2	1.2
	ELE3607	ELECTRONICS PRACTICAL - I	10	100	3	1.8	100	3	1.2	3
	ELE3608	ELECTRONICS PRACTICAL – II	10	100	3	1.8	100	3	1.2	3
	ELE3609	ELECTRONICS PRACTICAL – III (PROJECT)	10	100	3	1.8	100	3	1.2	3

	Total	180	730	27	16.2	1800	54	21.6	37.8
	Average	10	40.56	1.5	0.9	100	3	1.2	2.1



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.1	3	1.47	0.9	2.37	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of English
Under Graduate Program : B.A. English
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ENGCO3501	COMPULSORY ENGLISH	167	4.79	1	0.6	37.72	1	0.4	1
	ENGGEN3502	ADVANCED STUDY OF ENGLISH LANGUAGE AND LITERATURE	14	21.43	1	0.6	42.86	2	0.8	1.4
	ENGSP3503	APPRECIATING NOVEL	5	40	2	1.2	60	3	1.2	2.4
	ENGSP3504	INTRODUCTION TO LITERARY CRITICISM	5	40	2	1.2	100	3	1.2	2.4
VI	ENGCO3601	COMPULSORY ENGLISH	167	7.78	1	0.6	27.54	1	0.4	1
	ENGGE3602	ADVANCED STUDY OF ENGLISH LANGUAGE AND LITERATURE	14	42.86	2	1.2	35.71	1	0.4	1.6
	ENGSP3603	APPRECIATING NOVEL	5	60	3	1.8	100	3	1.2	3
	ENGSP3604	INTRODUCTION TO LITERARY CRITICISM	5	40	2	1.2	100	3	1.2	2.4
Total			382	256.86	14	8.4	503.83	17	6.8	15.2
Average			47.75	32.11	1.75	1.05	62.98	2.12	0.85	1.9



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.9	3	1.33	0.9	2.23	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Geography
Under Graduate Program : B.A. Geography
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	GEOGEN3501	GEOGRAPHY OF TOURISM-I	45	62.22	3	1.8	80	3	1.2	3
	GEOSPL3502	PHYSICAL GEOGRAPHY OF INDIA	17	58.82	2	1.2	58.82	2	0.8	2
	GEOSPL3503	PRACTICAL IN MAP READING AND MAP MAKING	17	47.06	2	1.2	41.18	2	0.8	2
VI	GEOGEN3601	GEOGRAPHY OF TOURISM-II	45	71.11	3	1.8	80	3	1.2	3
	GEOSPL3602	HUMAN GEOGRAPHY OF INDIA	17	52.94	2	1.2	76.47	3	1.2	2.4
	GEOSPL3603	PRACTICAL IN STATISTICAL TECHNIQUES	17	47.06	2	1.2	94.12	3	1.2	2.4
Total			158	339.21	14	8.4	430.59	16	6.4	14.8
Average			26.33	56.54	2.33	1.4	71.76	2.67	1.07	2.47



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.47	3	1.73	0.9	2.63	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Hindi
Under Graduate Program : B.A. Hindi
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	HINGEN3501	HINDI SAMANYA	30	10	1	0.6	83.33	3	1.2	1.8
	HINSPL3502	HINDI SAHITYA KA ITIHAS	5				80	3	1.2	1.2
	HINSPL3503	HINDI BHASHA KA VIKAS	5	20	1	0.6	100	3	1.2	1.8
VI	HINGEN3601	HINDI SAMANYA	30	30	1	0.6	73.33	3	1.2	1.8
	HINSPL3602	HINDI SAHITYA KA ITIHAS	5	20	1	0.6	60	3	1.2	1.8
	HINSPL3603	HINDI BHASHA KA VIKAS	5	20	1	0.6	80	3	1.2	1.8
Total			80	100	5	3	476.66	18	7.2	10.2
Average			13.33	16.67	0.83	0.5	79.44	3	1.2	1.7



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.7	3	1.19	0.9	2.09	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of History
Under Graduate Program : B.A. History
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	HISGEN3501	HISTORY OF THE WORLD IN 20TH CENTURY (1914-1992) PART I	72	19.44	1	0.6	63.89	3	1.2	1.8
	HISPL3502	INTRODUCTION TO HISTORY PART I	11	45.45	2	1.2	54.55	2	0.8	2
	HISPL3503	HISTORY OF ASIA IN 20TH CENTURY (1914-1992) PART I	11	54.55	2	1.2	63.64	3	1.2	2.4
VI	HISGEN3601	HISTORY OF THE WORLD IN 20TH CENTURY (1914-1992) PART II	72	41.67	2	1.2	81.94	3	1.2	2.4
	HISPL3602	INTRODUCTION TO HISTORY PART II	11	27.27	1	0.6	100	3	1.2	1.8
	HISPL3603	HISTORY OF ASIA IN 20TH CENTURY (1914-1992) PART II	11	54.55	2	1.2	100	3	1.2	2.4
Total			188	242.93	10	6	464.02	17	6.8	12.8
Average			31.33	40.49	1.67	1	77.34	2.83	1.13	2.13



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.13	3	1.49	0.9	2.39	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Marathi
Under Graduate Program : B.A. Marathi
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	MARGEN3501	ADHUNIK MARATHI SAHITYA PRAKARANCHA ABHYAS	55	21.82	1	0.6	60	3	1.2	1.8
	MARSPL3502	SAHITYAVICHAR	14	42.86	2	1.2	64.29	3	1.2	2.4
	MARSPL3503	MARATHICHA BHASHIK ABHYAS (ETIHASIK)	14	28.57	1	0.6	42.86	2	0.8	1.4
VI	MARGEN3601	ADHUNIK MARATHI SAHITYA PRAKARANCHA ABHYAS	55	50.91	2	1.2	89.09	3	1.2	2.4
	MARSPL3602	SAHITYAVICHAR	14	50	2	1.2	85.71	3	1.2	2.4
	MARSPL3603	MARATHICHA BHASHIK ABHYAS (ETIHASIK)	14	28.57	1	0.6	85.71	3	1.2	1.8
Total			166	222.73	9	5.4	427.66	17	6.8	12.2
Average			27.67	37.12	1.5	0.9	71.28	2.83	1.13	2.03



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.03	3	1.42	0.9	2.32	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Mathematics
Under Graduate Program : B.Sc. Mathematics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	MAT3501	METRIC SPACES	11	36.36	1	0.6	100	3	1.2	1.8
	MAT3502	REAL ANALYSIS I	11	27.27	1	0.6	90.91	3	1.2	1.8
	MAT3503	GROUP THEORY	11	45.45	2	1.2	81.82	3	1.2	2.4
	MAT3504	ORDINARY DIFFERENTIAL EQUATION	11	54.55	2	1.2	72.73	3	1.2	2.4
	MAT3505	OPERATION RESEARCH	11	54.55	2	1.2	100	3	1.2	2.4
	MAT3506	NUMBER THEORY	11	18.18	1	0.6	100	3	1.2	1.8
	MAT3507	MATHEMATICS PRACTICAL-I	11	72.73	3	1.8	100	3	1.2	3
	MAT3508	MATHEMATICS PRACTICAL – II	11	63.64	3	1.8	100	3	1.2	3
	MAT3509	MATHEMATICS PRACTICAL-III	11	63.64	3	1.8	100	3	1.2	3
VI	MAT3601	COMPLEX ANALYSIS	11	63.64	3	1.8	100	3	1.2	3
	MAT3602	REAL ANALYSIS II	11	45.45	2	1.2	100	3	1.2	2.4
	MAT3603	RING THEORY	11	54.55	2	1.2	90.91	3	1.2	2.4
	MAT3604	PARTIAL DIFFERENTIAL EQUATION	11	63.64	3	1.8	90.91	3	1.2	3
	MAT3605	OPTIMIZATION TECHNIQUES	11	81.82	3	1.8	100	3	1.2	3
	MAT3606	LEBESGUE INTEGRATION	11	63.64	3	1.8	100	3	1.2	3
	MAT3607	MATHEMATICS PRACTICAL - I	11	90.91	3	1.8	100	3	1.2	3
	MAT3608	MATHEMATICS PRACTICAL – II	11	81.82	3	1.8	100	3	1.2	3
	MAT3609	PROJECT	11	100	3	1.8	100	3	1.2	3

	Total	198	1081.84	43	25.8	727.28	54	21.6	47.4
	Average	11	60.1	2.39	1.43	95.96	3	1.2	2.63



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.63	3	1.84	0.9	2.74	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Microbiology
Under Graduate Program : B.Sc. Microbiology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	MICRO3501	MEDICAL MICROBIOLOGY-I	46	32.61	1	0.6	100	3	1.2	1.8
	MICRO3502	GENETICS AND MOLECULAR BIOLOGY- I	46	36.96	1	0.6	100	3	1.2	1.8
	MICRO3503	ENZYMOLGY	46	6.52	1	0.6	100	3	1.2	1.8
	MICRO3504	IMMUNOLOGY – I	46	2.17	1	0.6	100	3	1.2	1.8
	MICRO3505	FERMENTATION TECHNOLOGY-I	46	8.7	1	0.6	100	3	1.2	1.8
	MICRO3506	FOOD AND DAIRY MICROBIOLOGY	46	15.22	1	0.6	100	3	1.2	1.8
	MICRO3507	MICROBIOLOGY PRACTICAL-I	46	86.96	3	1.8	100	3	1.2	3
	MICRO3508	MICROBIOLOGY PRACTICAL-II	46	86.96	3	1.8	95.65	3	1.2	3
	MICRO3509	MICROBIOLOGY PRACTICAL-III	46	89.13	3	1.8	95.65	3	1.2	3
VI	MICRO3601	MEDICAL MICROBIOLOGY-II	46	21.74	1	0.6	100	3	1.2	1.8
	MICRO3602	GENETICS AND MOLECULAR BIOLOGY- II	46	43.48	2	1.2	100	3	1.2	2.4
	MICRO3603	METABOLISM	46	10.87	1	0.6	89.13	3	1.2	1.8
	MICRO3604	IMMUNOLOGY – II	46	26.09	1	0.6	97.83	3	1.2	1.8
	MICRO3605	FERMENTATION TECHNOLOGY-II	46	41.3	2	1.2	100	3	1.2	2.4
	MICRO3606	AGRICULTURAL AND ENVIRONMENTAL MICROBIOLOGY	46	23.91	1	0.6	97.83	3	1.2	1.8
	MICRO3607	MICROBIOLOGY PRACTICAL - IV	46	97.83	3	1.8	97.83	3	1.2	3
	MICRO3608	MICROBIOLOGY PRACTICAL - V	46	97.83	3	1.8	97.83	3	1.2	3
	MICRO3609	PROJECT	46	97.83	3	1.8	97.83	3	1.2	3

	Total	828	826.11	32	19.2	769.58	54	21.6	40.8
	Average	46	45.9	1.78	1.07	98.31	3	1.2	2.27



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.27	3	1.59	0.9	2.49	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Physics
Under Graduate Program : B.Sc. Physics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	PHY3501	MATHEMATICAL METHODS OF PHYSICS-II	24	8.33	1	0.6	100	3	1.2	1.8
	PHY3502	CLASSICAL MECHANICS	24	4.17	1	0.6	87.5	3	1.2	1.8
	PHY3503	OPTICS	24	37.5	1	0.6	87.5	3	1.2	1.8
	PHY3504	SOLID STATE PHYSICS	24	25	1	0.6	100	3	1.2	1.8
	PHY3505	ATOMIC AND MOLECULAR PHYSICS	24	20.83	1	0.6	100	3	1.2	1.8
	PHY3506A	ELEMENTS OF MATERIAL SCIENCE	11	63.64	3	1.8	100	3	1.2	3
	PHY3506B	RENEWABLE ENERGY SOURCES	13	7.69	1	0.6	69.23	3	1.2	1.8
	PHY3507	PHYSICS PRACTICAL -I	24	83.33	3	1.8	95.83	3	1.2	3
	PHY3508	PHYSICS PRACTICAL -II	24	79.17	3	1.8	87.5	3	1.2	3
VI	PHY3509	PHYSICS PROJECT -I	24	79.17	3	1.8	91.67	3	1.2	3
	PHY3601	ELECTRODYNAMICS	24	33.33	1	0.6	100	3	1.2	1.8
	PHY3602	QUANTUM MECHANICS	24	4.17	1	0.6	100	3	1.2	1.8
	PHY3603	STATISTICAL PHYSICS	24	37.5	1	0.6	100	3	1.2	1.8
	PHY3604	NUCLEAR PHYSICS	24	37.5	1	0.6	100	3	1.2	1.8
	PHY3605(A)	ELECTRONICS II	20	25	1	0.6	35	1	0.4	1
	PHY3605(B)	ADVANCED ELECTRONICS	4	50	2	1.2	100	3	1.2	2.4
	PHY3606(A)	PHYSICS OF NANOMATERIALS	11	100	3	1.8	100	3	1.2	3
	PHY3606(B)	SOLAR ENERGY CONVERSION DEVICES	13	38.46	1	0.6	92.31	3	1.2	1.8
	PHY3607	PHYSICS PRACTICAL -III	24	79.17	3	1.8	100	3	1.2	3

VI	PHY3608	PHYSICS PRACTICAL -IV	24	83.33	3	1.8	83.33	3	1.2	3
	PHY3609	PHYSICS PROJECT - II	24	75	3	1.8	100	3	1.2	3
Total			432	972.29	38	22.8	929.87	61	24.4	47.2
Average			20.57	46.3	1.81	1.09	91.9	2.9	1.16	2.25



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.25	3	1.58	0.9	2.48	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Politics
Under Graduate Program : B.A. Politics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	POLGEN3501	POLITICAL IDEOLOGIES	91	6.59	1	0.6	35.16	1	0.4	1
	POLSPL3502	PUBLIC ADMINISTRATION	50	8	1	0.6	44	2	0.8	1.4
	POLSPL3503	INTERNATIONAL POLITICS	50	6	1	0.6	32	1	0.4	1
VI	POLGEN 3601	POLITICAL IDEOLOGIES	91	20.88	1	0.6	43.96	2	0.8	1.4
	POLSPL 3602	PUBLIC ADMINISTRATION	50	12	1	0.6	68	3	1.2	1.8
	POLSPL 3603	INTERNATIONAL POLITICS	50	14	1	0.6	56	2	0.8	1.4
Total			382	67.47	6	3.6	279.12	11	4.4	8
Average			63.67	11.24	1	0.6	46.52	1.83	0.73	1.33



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.33	3	0.93	0.9	1.83	3

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Psychology
Under Graduate Program : B.A. Psychology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	PSYGEN3501	ORGANIZATIONAL PSYCHOLOGY	1	100	3	1.8	100	3	1.2	3
	PSYGEN3501	APPLIED PSYCHOLOGY -I	16	12.5	1	0.6	43.75	2	0.8	1.4
	PSYSPL3502	PSYCHOLOGICAL RESEARCH	10	10	1	0.6	60	3	1.2	1.8
	PSYSPL3503	PSYCHOLOGY PRACTICAL: TEST	10	90	3	1.8	50	2	0.8	2.6
VI	PSYGEN3601	APPLIED PSYCHOLOGY-II	16	31.25	1	0.6	43.75	2	0.8	1.4
	PSYSPL3602	EXPERIMENTAL PSYCHOLOGY	10	20	1	0.6	90	3	1.2	1.8
	PSYSPL3603	PSYCHOLOGY PRACTICAL: EXPERIMENTS	10	80	3	1.8	70	3	1.2	3
Total			73	343.75	13	7.8	457.5	18	7.2	15
Average			10.43	49.11	1.86	1.11	65.36	2.57	1.03	2.14



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.14	3	1.5	0.9	2.4	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Economics
Post Graduate Program : M.A.Economics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	ECO5301	MACRO ECONOMICS-I	30	46.67	2	1.2	50	2	0.8	2
	ECO5302	ECONOMICS OF GROWTH AND DEVELOPMENT-I	30	40	2	1.2	96.67	3	1.2	2.4
	ECO5303	AGRIBUSINESS ECONOMICS-I	30	46.67	2	1.2	100	3	1.2	2.4
	ECO5304	RESEARCH METHODOLOGY	30	30	1	0.6	90	3	1.2	1.8
IV	ECO5401	MACRO ECONOMICS - II	30	46.67	2	1.2	100	3	1.2	2.4
	ECO5402	ECONOMICS OF GROWTH AND DEVELOPMENT –II	30	16.67	1	0.6	100	3	1.2	1.8
	ECO5403	AGRIBUSINESS ECONOMICS - II	30	40	2	1.2	96.67	3	1.2	2.4
	ECO5404	MODERN BANKING	30	30	1	0.6	93.33	3	1.2	1.8
Total			240	296.68	13	7.8	726.67	23	9.2	17
Average			30	37.08	1.62	0.97	90.83	2.88	1.15	2.12

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.12	3	1.48	0.9	2.38	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of English
Post Graduate Program : M.A. English
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	ENG 5301	INDIAN WRITING IN ENGLISH (CORE PAPER)	25	44	2	1.2	64	3	1.2	2.4
	ENG 5302	ENGLISH LANGUAGE AND LITERATURE TEACHING	25	44	2	1.2	88	3	1.2	2.4
	ENG 5303	DRAMA IN ENGLISH	25	12	1	0.6	44	2	0.8	1.4
	ENG 5304	AMERICAN LITERATURE	25	36	1	0.6	68	3	1.2	1.8
IV	ENG 5401	INDIAN WRITING IN ENGLISH (CORE PAPER)	25	48	2	1.2	80	3	1.2	2.4
	ENG 5402	ENGLISH LANGUAGE AND LITERATURE TEACHING	25	60	3	1.8	76	3	1.2	3
	ENG 5403	DRAMA IN ENGLISH	25	24	1	0.6	52	2	0.8	1.4
	ENG 5404	AMERICAN LITERATURE	25	28	1	0.6	44	2	0.8	1.4
Total			200	296	13	7.8	516	21	8.4	16.2
Average			25	37	1.62	0.97	64.5	2.62	1.05	2.02

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.02	3	1.41	0.9	2.31	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Hindi
Post Graduate Program : M.A.Hindi
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	HIN5301	SAMANYA STAR : ADHUNIK KAVYA-1	9	55.56	2	1.2	100	3	1.2	2.4
	HIN5302	VISHESH STAR : BHASHA VIDNYAN	9	11.11	1	0.6	100	3	1.2	1.8
	HIN5303	VISHESH STAR : HINDI SAHITYA KA ITIHAS	9	11.11	1	0.6	100	3	1.2	1.8
	HIN5304	VISHESH STAR : ADHUNIK HINDI ALOCHANA	9	11.11	1	0.6	88.89	3	1.2	1.8
IV	HIN5401	SAMANYA STAR : ADHUNIK KAVYA-2	9	33.33	1	0.6	100	3	1.2	1.8
	HIN5402	VISHESH STAR : BHASHA VIDNYAN	9	22.22	1	0.6	100	3	1.2	1.8
	HIN5403	VISHESH STAR : HINDI SAHITYA KA ITIHAS (ADHUNIK KAL)	9	22.22	1	0.6	100	3	1.2	1.8
	HIN5404	VISHESH STAR : LOKSAHITYA	9	33.33	1	0.6	100	3	1.2	1.8
Total			72	199.99	9	5.4	788.89	24	9.6	15
Average			9	25	1.12	0.68	98.61	3	1.2	1.88

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.88	3	1.32	0.9	2.22	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of History
Post Graduate Program : M.A. History
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	HIS 5301	ANCIENT AND MEDIEVAL CIVILIZATION OF THE WORLD	24	33.33	1	0.6	62.5	3	1.2	1.8
	HIS 5302	DEBATES IN THE INDIAN HISTORY	24	29.17	1	0.6	25	1	0.4	1
	HIS 5303	ECONOMIC HISTORY OF MODERN INDIA	24	33.33	1	0.6	41.67	2	0.8	1.4
	HIS 5304	HISTORY OF MAHARASHTRA IN THE 19TH CENTURY	24	20.83	1	0.6	45.83	2	0.8	1.4
IV	HIS 5401	HISTORY OF MODERN INDIA (1857 – 1971)	24	25	1	0.6	25	1	0.4	1
	HIS 5402	INTELLECTUAL HISTORY OF MODERN WEST	24	20.83	1	0.6	62.5	3	1.2	1.8
	HIS 5403	WORLD AFTER WORLD WAR II (1945 – 2000)	24	62.5	3	1.8	33.33	1	0.4	2.2
	HIS 5404	HISTORY OF MAHARASHTRA IN THE 20TH CENTURY	24	33.33	1	0.6	41.67	2	0.8	1.4
Total			192	258.32	10	6	337.5	15	6	12
Average			24	32.29	1.25	0.75	42.19	1.88	0.75	1.5

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.5	3	1.05	0.9	1.95	3

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Marathi
Post Graduate Program : M.A. Marathi
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	MAR5301	PRASAR MADHYAME AANI SAHITYA VYAVHAR	17	29.41	1	0.6	88.24	3	1.2	1.8
	MAR5302	SAHITYA : SAMIKSHA AANI SANSHODHAN	17	70.59	3	1.8	100	3	1.2	3
	MAR5303	VISHESH LEKHAKACHA ABHYAS (MADHYUGIN)	17	35.29	1	0.6	82.35	3	1.2	1.8
	MAR5304	MARATHITIL VAICHARIK SAHITYA	17	41.18	2	1.2	88.24	3	1.2	2.4
IV	MAR5401	PRASAR MADHYAME AANI SAHITYA VYAVHAR	17	47.06	2	1.2	94.12	3	1.2	2.4
	MAR5402	SAHITYA : SAMIKSHA AANI SANSHODHAN	17	70.59	3	1.8	100	3	1.2	3
	MAR5403	VISHESH LEKHAKACHA ABHYAS (MADHYUGIN)	17	64.71	3	1.8	94.12	3	1.2	3
	MAR5404	SAHITYACHA SAMAJIK DRUSHTINE ABHYAS	17	47.06	2	1.2	82.35	3	1.2	2.4
Total			136	405.89	17	10.2	729.42	24	9.6	19.8
Average			17	50.74	2.12	1.27	91.18	3	1.2	2.47

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.47	3	1.73	0.9	2.63	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Politics
Post Graduate Program : M.A. Politics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	POL5301	POLITICAL THINKING IN MODERN INDIA	31	16.13	1	0.6	22.58	1	0.4	1
	POL5302	POLITICAL SOCIOLOGY	31	6.45	1	0.6	32.26	1	0.4	1
	POL5303	THEORY OF INTERNATIONAL RELATIONS	31	12.9	1	0.6	16.13	1	0.4	1
	POL5304	INDIAN ADMINISTRATION	31	35.48	1	0.6	54.84	2	0.8	1.4
IV	POL5401	TRADITIONS OF POLITICAL THOUGHT	31	9.68	1	0.6	67.74	3	1.2	1.8
	POL5402	POLITICAL PROCESS IN INDIA	31	38.71	1	0.6	70.97	3	1.2	1.8
	POL5403	POLITICAL PARTICIPATION	31	22.58	1	0.6	70.97	3	1.2	1.8
	POL5404	PARTY SYSTEM IN INDIA	31	32.26	1	0.6	64.52	3	1.2	1.8
Total			248	174.19	8	4.8	400.01	17	6.8	11.6
Average			31	21.77	1	0.6	50	2.12	0.85	1.45

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.45	3	1.01	0.9	1.91	3

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Psychology
Post Graduate Program : M.A. Psychology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	PSY5301	PERSONALITY	13	7.69	1	0.6	92.31	3	1.2	1.8
	PSY5302	PSYCHOPATHOLOGY-I	13	15.38	1	0.6	92.31	3	1.2	1.8
	PSY5303	PSYCH DIAGNOSTIC PROCEDURE AND TECHNIQUE	13				61.54	3	1.2	1.2
	PSY5304	PROJECT	13	46.15	2	1.2	69.23	3	1.2	2.4
IV	PSY5402	PSYCHOPATHOLOGY - II	13	38.46	1	0.6	69.23	3	1.2	1.8
	PSY5403	PSYCHOTHERAPIES	13	15.38	1	0.6	76.92	3	1.2	1.8
	PSY5404	PRACTICUM	13	38.46	1	0.6	69.23	3	1.2	1.8
	PSY5401	MOTIVATION AND EMOTIONS	13	15.38	1	0.6	69.23	3	1.2	1.8
Total			104	176.9	8	4.8	600	24	9.6	14.4
Average			13	22.11	1	0.6	75	3	1.2	1.8

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.8	3	1.26	0.9	2.16	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Commerce
Post Graduate Program : M.Com. Commerce
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	COMBF 5301	BUSINESS FINANCE	87	29.89	1	0.6	21.84	1	0.4	1
	COMRMB 5302	RESEARCH METHODOLOGY FOR BUSINESS	87	35.63	1	0.6	43.68	2	0.8	1.4
	COMAA 5303	ADVANCED AUDITING	87	6.9	1	0.6	48.28	2	0.8	1.4
	COMSAA 5304	SPECIALIZED AREAS IN AUDITING	87	5.75	1	0.6	59.77	2	0.8	1.4
IV	COMCMFS 5401	CAPITAL MARKET & FINANCIAL SERVICES	87	35.63	1	0.6	83.91	3	1.2	1.8
	COMIEE 5402	INDUSTRIAL ECONOMIC ENVIRONMENT	87	50.57	2	1.2	44.83	2	0.8	2
	COMRAATA 5403	RECENT ADVANCES IN ACCOUNTING, TAXATION & AUDITING	87	13.79	1	0.6	27.59	1	0.4	1
	COMPW 5404	PROJECT WORK	87	31.03	1	0.6				0.6
Total			696	209.19	9	5.4	329.9	13	5.2	10.6
Average			87	26.15	1.12	0.68	41.24	1.62	0.65	1.32

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.32	3	0.92	0.9	1.82	3

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Library Science
Post Graduate Program : M.Lib. Library Science
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
I	HR-101	HUMAN RIGHTS	506	9.09	1	0.6				0.6
Total			506	9.09	1	0.6	0	0	0	0.6
Average			506	9.09	1	0.6	0	0	0	0.6

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
0.6	3	0.42	0.9	1.32	2

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Chemistry
Post Graduate Program : M.Sc. Analytical Chemistry
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	CHA- 5301	ANALYTICAL METHOD DEVELOPMENT AND VALIDATION, NANOTECHNOLOGY	43	53.49	2	1.2	90.7	3	1.2	2.4
	CHA- 5302	ELECTROCHEMICAL METHODS AND FOOD ANALYSIS	43	79.07	3	1.8	86.05	3	1.2	3
	CHA- 5303	PHARMACEUTICAL ANALYSIS	43	60.47	3	1.8	97.67	3	1.2	3
	CHA- 5304	ANALYTICAL SPECTROSCOPY	43	41.86	2	1.2	90.7	3	1.2	2.4
	CHA- 5305	ANALYSIS OF MATERIALS	43	100	3	1.8	100	3	1.2	3
	CHA- 5306	INSTRUMENTAL ANALYSIS	43	100	3	1.8	100	3	1.2	3
IV	CHA- 5401	FORENSIC SCIENCE	43	83.72	3	1.8	88.37	3	1.2	3
	CHA- 5402	ADVANCES IN ANALYTICAL TECHNIQUES	43	51.16	2	1.2	79.07	3	1.2	2.4
	CHA- 5403	ANALYTICAL METHODS FOR ANALYSIS OF FERTILIZERS, DETERGENTS, WATER, POLYMER, PAINT AND PIGMENT	43	55.81	2	1.2	95.35	3	1.2	2.4
	CHA- 5404	METHODS OF ANALYSIS AND APPLICATIONS	43	65.12	3	1.8	95.35	3	1.2	3
	CHA- 5405	ANALYSIS OF PHARMACEUTICAL, FOOD AND BIO-ANALYTICAL SAMPLES	43	100	3	1.8	100	3	1.2	3
	CHA- 5406	PROJECT WORK	43	100	3	1.8	100	3	1.2	3
Total			516	890.7	32	19.2	123.26	36	14.4	33.6
Average			43	74.22	2.67	1.6	93.6	3	1.2	2.8

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.8	3	1.96	0.9	2.86	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Botany
Post Graduate Program : M.Sc. Botany
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	BOT5301	ANGIOSPERMS AND EVOLUTION	36	36.11	1	0.6	83.33	3	1.2	1.8
	BOT5302	DEVELOPMENTAL BOTANY	36	44.44	2	1.2	72.22	3	1.2	2.4
	BOT5303	COMPUTATIONAL BOTANY	36	27.78	1	0.6	83.33	3	1.2	1.8
	BOT5304(A)	ADVANCED PLANT PHYSIOLOGY OR	11	72.73	3	1.8	100	3	1.2	3
	BOT5304(B)	ADVANCED MYCOLOGY AND PLANT PATHOLOGY OR	9	44.44	2	1.2	88.89	3	1.2	2.4
	BOT5304(C)	BRYOLOGY OR	8	62.5	3	1.8	100	3	1.2	3
	BOT5304(D)	ANGIOSPERM TAXONOMY	8	100	3	1.8	62.5	3	1.2	3
	BOT5305	PRACTICAL'S BASED ON BOT 5301, 5302 AND 5303	36	91.67	3	1.8	58.33	2	0.8	2.6
	BOT5306(A)	PRACTICAL'S BASED ON SPECIAL PAPER ADVANCED PLANT. PHYSIOLOGY OR	11	81.82	3	1.8	90.91	3	1.2	3
	BOT5306(B)	PRACTICAL'S BASED ON SPECIAL PAPER ADVANCED MYCOLOGY AND PLANT PATHOLOGY OR	9	100	3	1.8	100	3	1.2	3
	BOT5306(C)	PRACTICAL'S BASED ON SPECIAL PAPER BRYOLOGY OR	8	100	3	1.8	100	3	1.2	3
	BOT5306(D)	PRACTICAL'S BASED ON SPECIAL PAPER ANGIOSPERM TAXONOMY	8	100	3	1.8	12.5	1	0.4	2.2
IV	BOT5401	PLANT PATHOLOGY	36	63.89	3	1.8	97.22	3	1.2	3
	BOT5404(A)	ADVANCED PHYSIOLOGY OR	11	72.73	3	1.8	90.91	3	1.2	3
	BOT5402	INDUSTRIAL BOTANY	36	58.33	2	1.2	86.11	3	1.2	2.4
	BOT5404(B)	ADVANCED MYCOLOGY AND PLANT PATHOLOGY OR	9	77.78	3	1.8	100	3	1.2	3
	BOT5403	PLANT BIOTECHNOLOGY	36	44.44	2	1.2	88.89	3	1.2	2.4
	BOT5404(C)	BRYOLOGY OR	8	50	2	1.2	100	3	1.2	2.4
	BOT5404(D)	ANGIOSPERM TAXONOMY	8	100	3	1.8	100	3	1.2	3

IV	BOT5405	PRACTICAL'S BASED ON 5401, 5402 AND 5403	36	88.89	3	1.8	91.67	3	1.2	3
	BOT5406	RESEARCH PROJECTS, REVIEW OF LITERATURE & SUMMER TRAINING	36	97.22	3	1.8	91.67	3	1.2	3
		Total	432	1514.77	54	32.4	1798.48	60	24	56.4
		Average	20.57	72.13	2.57	1.54	85.64	2.86	1.14	2.69

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.69	3	1.88	0.9	2.78	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Computer Science
Post Graduate Program : M.Sc. Computer Science
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	COMP5301	MOBILE TECHNOLOGIES	61	40.98	2	1.2	78.69	3	1.2	2.4
	COMP5302	SOFT COMPUTING	61	72.13	3	1.8	78.69	3	1.2	3
	COMP5303	WEB SERVICES	61	45.9	2	1.2	80.33	3	1.2	2.4
	COMP5304	SOFTWARE ARCHITECTURE AND DESIGN PATTERN	61	65.57	3	1.8	77.05	3	1.2	3
	COMP5305	LAB COURSE-ON MOBILE TECHNOLOGY AND WEB SERVICES	61	37.7	1	0.6	54.1	2	0.8	1.4
	COMP5306	PROJECT	61	88.52	3	1.8	90.16	3	1.2	3
	COMP5307	RECENT TRENDS IN IT (INTERNET OF THINGS)	61	65.57	3	1.8	88.52	3	1.2	3
IV	COMP5401	INDUSTRIAL TRAINING/ INSTITUTIONAL PROJECT (IT) (CORE)	61	75.41	3	1.8	91.8	3	1.2	3
Total			488	491.78	20	12	639.34	23	9.2	21.2
Average			61	61.47	2.5	1.5	79.92	2.88	1.15	2.65

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.65	3	1.86	0.9	2.76	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Electronics
Post Graduate Program : M.Sc.Electronics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	ELE5301	ADVANCED COMMUNICATION ELECTRONICS	20	25	1	0.6	85	3	1.2	1.8
	ELE5302	ADVANCED EMBEDDED SYSTEMS	20	40	2	1.2	85	3	1.2	2.4
	ELE5303	DIGITAL SIGNAL PROCESSING	20				85	3	1.2	1.2
	ELE5304	PROGRAMMABLE LOGIC CONTROLLERS AND APPLICATIONS	20	40	2	1.2	50	2	0.8	2
	ELE5305	PRACTICAL COURSE –V	20	45	2	1.2	85	3	1.2	2.4
	ELE5306	PRACTICAL COURSE –VI	20	55	2	1.2	85	3	1.2	2.4
IV	ELE 5402	ADVANCED POWER ELECTRONICS	20				95	3	1.2	1.2
	ELE 5403	MECHATRONICS AND ROBOTICS	20	60	3	1.8	85	3	1.2	3
	ELE5401	CONTROL SYSTEMS	20	10	1	0.6	100	3	1.2	1.8
	ELE5404	WIRELESS SENSOR NETWORKS	20	45	2	1.2	70	3	1.2	2.4
	ELE5405	PROJECT	20	85	3	1.8	100	3	1.2	3
Total			220	405	18	10.8	925	32	12.8	23.6
Average			20	36.82	1.64	0.98	84.09	2.91	1.16	2.15

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.15	3	1.5	0.9	2.4	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Geography
Post Graduate Program : M.A. Geography
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	GEO5301	TROPICAL GEOMORPHOLOGY	13	76.92	3	1.8	53.85	2	0.8	2.6
	GEO5302	PRACTICAL IN GEOMORPHOLOGY	13	92.31	3	1.8	100	3	1.2	3
	GEO5311	GEOINFORMATICS-II	13	69.23	3	1.8	76.92	3	1.2	3
	GEO5312	PRACTICAL IN GEOINFORMATICS	13	84.62	3	1.8	92.31	3	1.2	3
	GEO5313	GEOGRAPHICAL THOUGHTS	13	61.54	3	1.8	100	3	1.2	3
	GEO5314	WATERSHED MANAGEMENT	13	69.23	3	1.8	100	3	1.2	3
IV	GEO5401	GEOGRAPHY OF INDIA	13	84.62	3	1.8	76.92	3	1.2	3
	GEO5402	OCEANOGRAPHY	13	61.54	3	1.8	46.15	2	0.8	2.6
	GEO5403	RESEARCH METHODOLOGY	13	53.85	2	1.2	92.31	3	1.2	2.4
	GEO5404	SOIL GEOGRAPHY	13	84.62	3	1.8	100	3	1.2	3
	GEO5405	PRACTICAL IN INTERPRETATION OF TOPOGRAPHICAL MAPS AND WEATHER MAPS	13	92.31	3	1.8	100	3	1.2	3
	GEO5406	INDIVIDUAL DISSERTATION/ RESEARCH PROJECT	13	38.46	1	0.6				0.6
Total			156	869.25	33	19.8	938.46	31	12.4	32.2
Average			13	72.44	2.75	1.65	78.2	2.58	1.03	2.68

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.68	3	1.88	0.9	2.78	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Chemistry
Post Graduate Program : M.Sc. Inorganic Chemistry
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	CHI- 5301	ORGANOMETALLIC CHEMISTRY & HOMOGENOUS CATALYSIS	40	45	2	1.2	72.5	3	1.2	2.4
	CHI- 5302	INORGANIC REACTION MECHANISM AND PHOTOCHEMISTRY	40	27.5	1	0.6	82.5	3	1.2	1.8
	CHI- 5303	PHYSICAL METHODS I INORGANIC CHEMISTRY	40	40	2	1.2	80	3	1.2	2.4
	CHI- 5304	BIOINORGANIC AND INORGANIC MEDICINAL CHEMISTRY	40	47.5	2	1.2	90	3	1.2	2.4
	CHI- 5305	ANALYSIS, ESTIMATIONS AND COMPUTER APPLICATIONS	40	85	3	1.8	100	3	1.2	3
	CHI- 5306	INORGANIC PREPARATIONS AND INSTRUMENTAL ANALYSIS	40	82.5	3	1.8	100	3	1.2	3
IV	CHI- 5401	HETEROGENEOUS CATALYSIS AND INORGANIC POLYMERS	40	77.5	3	1.8	97.5	3	1.2	3
	CHI- 5402	MATERIAL SCIENCE I: INORGANIC MATERIALS AND SOLID STATE CHEMISTRY	40	50	2	1.2	100	3	1.2	2.4
	CHI- 5403	MATERIAL SCIENCE II: NANOMATERIALS	40	47.5	2	1.2	95	3	1.2	2.4
	CHI- 5404	INORGANIC APPLICATIONS IN INDUSTRIAL AND ENVIRONMENTAL CHEMISTRY	40	82.5	3	1.8	97.5	3	1.2	3
	CHI- 5405	EXTENDED PRACTICALS IN INORGANIC CHEMISTRY	40	100	3	1.8	100	3	1.2	3
	CHI- 5406	PROJECT WORK	40	100	3	1.8	100	3	1.2	3
Total			480	785	29	17.4	1115	36	14.4	31.8
Average			40	65.42	2.42	1.45	92.92	3	1.2	2.65

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.65	3	1.86	0.9	2.76	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Mathematics
Post Graduate Program : M.Sc. Mathematics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	MAT5301	COMBINATORICS	40	57.5	2	1.2	65	3	1.2	2.4
	MAT5302	FIELD THEORY	40	42.5	2	1.2	45	2	0.8	2
	MAT5303	FUNCTIONAL ANALYSIS	40	52.5	2	1.2	65	3	1.2	2.4
	MAT5304	GRAPH THEORY	40	47.5	2	1.2	75	3	1.2	2.4
	MAT5305	APPLIED MATHEMATICS I	40	47.5	2	1.2	67.5	3	1.2	2.4
	MAT5306	PRACTICAL:PYTHON	40	95	3	1.8	92.5	3	1.2	3
IV	MAT5401	NUMBER THEORY	40	77.5	3	1.8	92.5	3	1.2	3
	MAT5402	DIFFERENTIAL GEOMETRY	40	65	3	1.8	90	3	1.2	3
	MAT5403	FOURIER ANALYSIS	40	70	3	1.8	92.5	3	1.2	3
	MAT5404	LATTICE THEORY	40	80	3	1.8	90	3	1.2	3
	MAT5405	APPLIED MATHEMATICS II	40	60	3	1.8	95	3	1.2	3
	MAT5406	Project	40	92.5	3	1.8	92.5	3	1.2	3
Total			480	787.5	31	18.6	962.5	35	14	32.6
Average			40	65.62	2.58	1.55	80.21	2.92	1.17	2.72

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.72	3	1.9	0.9	2.8	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Microbiology
Post Graduate Program : M.Sc. Microbiology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	MICRO5301	IMMUNOLOGY	47	17.02	1	0.6	100	3	1.2	1.8
	MICRO5302	MOLECULAR BIOLOGY I	47	10.64	1	0.6	100	3	1.2	1.8
	MICRO5303	INDUSTRIAL WASTE WATER TREATMENT	47	14.89	1	0.6	100	3	1.2	1.8
	MICRO5304	BIOPHYSICAL TECHNIQUES	47	4.26	1	0.6	100	3	1.2	1.8
	MICRO5305	PRACTICAL COURSE: PRACTICAL COURSE BASED ON IMMUNOLOGY, PHARMACEUTICAL MICROBIOLOGY AND INDUSTRIAL WASTE WATER TREATMENT	47	97.87	3	1.8	100	3	1.2	3
	MICRO5306	PRACTICAL COURSE: PRACTICAL COURSE BASED ON MOLECULAR BIOLOGY (I AND II) AND MICROBIAL TECHNOLOGY	47	100	3	1.8	100	3	1.2	3
IV	MICRO5401	PHARMACEUTICAL MICROBIOLOGY	47	29.79	1	0.6	97.87	3	1.2	1.8
	MICRO5402	MOLECULAR BIOLOGY II	47	21.28	1	0.6	97.87	3	1.2	1.8
	MICRO5403	MICROBIAL TECHNOLOGY	47	21.28	1	0.6	97.87	3	1.2	1.8
	MICRO5404	MEDICAL MICROBIOLOGY	47	27.66	1	0.6	97.87	3	1.2	1.8
	MICRO5405	DISSERTATION I	47	97.87	3	1.8	100	3	1.2	3
	MICRO5406	DISSERTATION II	47	97.87	3	1.8	100	3	1.2	3
Total			564	540.43	20	12	191.48	36	14.4	26.4
Average			47	45.04	1.67	1	99.29	3	1.2	2.2

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.2	3	1.54	0.9	2.44	4

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Chemistry
Post Graduate Program : M.Sc.Organic Chemistry
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	CHO- 5305	SINGLE STAGE PREPARATIONS	44	100	3	1.8	100	3	1.2	3
	CHO- 5306	DOUBLE AND MULTI STAGE PREPARATIONS	44	100	3	1.8	100	3	1.2	3
	CHO- 5301	DESIGNING OF ORGANIC SYNTHESIS AND HETEROCYCLIC CHEMISTRY	44	40.91	2	1.2	63.64	3	1.2	2.4
	CHO- 5302	SPECTROSCOPIC METHODS IN STRUCTURE DETERMINATION	44	50	2	1.2	95.45	3	1.2	2.4
	CHO- 5303	ORGANIC STEREOCHEMISTRY – I AND ORGANIC REACTION MECHANISM	44	47.73	2	1.2	90.91	3	1.2	2.4
	CHO- 5304	PHOTOCHEMISTRY, FREE RADICALS AND PERICYCLIC REACTIONS	44	43.18	2	1.2	63.64	3	1.2	2.4
IV	CHO- 5401	CHEMISTRY OF NATURAL PRODUCTS- I	44	43.18	2	1.2	68.18	3	1.2	2.4
	CHO- 5402	ADVANCED SYNTHETIC ORGANIC CHEMISTRY	44	65.91	3	1.8	79.55	3	1.2	3
	CHO- 5403	BIOMOLECULES, ORGANIC CHEMISTRY OF DRUG DESIGN AND CHIRAL DRUGS	44	45.45	2	1.2	93.18	3	1.2	2.4
	CHO- 5404	ORGANIC STEREOCHEMISTRY – II AND ASYMMETRIC SYNTHESIS	44	43.18	2	1.2	61.36	3	1.2	2.4
	CHO- 5405	INNOVATIVE EXPERIMENTS IN ORGANIC CHEMISTRY	44	100	3	1.8	100	3	1.2	3
	CHO- 5406	PROJECT WORK	44	100	3	1.8	100	3	1.2	3
Total			528	779.54	29	17.4	1015.91	36	14.4	31.8
Average			44	64.96	2.42	1.45	84.66	3	1.2	2.65

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.65	3	1.86	0.9	2.76	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Physics
Post Graduate Program : M.Sc. Physics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	PHY5301	STATISTICAL PHYSICS	29	51.72	2	1.2	89.66	3	1.2	2.4
	PHY5302	SOLID STATE PHYSICS	29	51.72	2	1.2	100	3	1.2	2.4
	PHY5303(A)	PHYSICS OF THIN FILMS-I	11	100	3	1.8	100	3	1.2	3
	PHY5303(B)	NANO-TECHNOLOGY-I	9	55.56	2	1.2	100	3	1.2	2.4
	PHY5303(C)	BIOMEDICAL INSTRUMENTATION-I	9	88.89	3	1.8	100	3	1.2	3
	PHY5304(A)	ELECTRONIC INSTRUMENTATION-I	12	91.67	3	1.8	100	3	1.2	3
	PHY5304(B)	LASER-I	10	50	2	1.2	100	3	1.2	2.4
	PHY5304(C)	ENERGY STUDIES-I	7	100	3	1.8	100	3	1.2	3
	PHY5305	SPECIAL LAB-I	29	96.55	3	1.8	100	3	1.2	3
	PHY5306	PROJECT-I	29	100	3	1.8	100	3	1.2	3
IV	PHY5401	NUCLEAR & PARTICLE PHYSICS	29	58.62	2	1.2	96.55	3	1.2	2.4
	PHY5402	MATERIAL SCIENCE	29	86.21	3	1.8	96.55	3	1.2	3
	PHY5403(A)	PHYSICS OF THIN FILMS-II	11	90.91	3	1.8	90.91	3	1.2	3
	PHY5403(B)	NANO-TECHNOLOGY-II	9	66.67	3	1.8	100	3	1.2	3
	PHY5403(C)	BIOMEDICAL INSTRUMENTATION-II	9	88.89	3	1.8	100	3	1.2	3
	PHY5404(A)	ELECTRONIC INSTRUMENTATION-II	12	83.33	3	1.8	83.33	3	1.2	3
	PHY5404(B)	LASER-II	10	90	3	1.8	100	3	1.2	3
	PHY5404(C)	ENERGY STUDIES-II	7	100	3	1.8	100	3	1.2	3
	PHY5405	SPECIAL LAB-II	29	96.55	3	1.8	96.55	3	1.2	3

IV	PHY5406	PROJECT-II	29	96.55	3	1.8	96.55	3	1.2	3
Total			348	1643.84	55	33	1950.1	60	24	57
Average			17.4	82.19	2.75	1.65	97.5	3	1.2	2.85

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.85	3	2	0.9	2.9	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Statistics
Post Graduate Program : M.Sc. Statistics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	STAT5301	ASYMPTOTIC INFERENCE	48	29.17	1	0.6	81.25	3	1.2	1.8
	STAT5302	DESIGN AND ANALYSIS OF EXPERIMENTS	48	52.08	2	1.2	83.33	3	1.2	2.4
	STAT5303	TIME SERIES ANALYSIS	48	33.33	1	0.6	91.67	3	1.2	1.8
	STAT5304(A)	DATA MINING	48	50	2	1.2	89.58	3	1.2	2.4
	STAT5305	STATISTICS PRACTICAL-V	48	77.08	3	1.8	100	3	1.2	3
	STAT5306	STATISTICS PRACTICAL-VI	48	93.75	3	1.8	95.83	3	1.2	3
IV	STAT 5402	STATISTICAL PROCESS CONTROL	48	16.67	1	0.6	97.92	3	1.2	1.8
	STAT 5403	SURVIVAL ANALYSIS	48	64.58	3	1.8	87.5	3	1.2	3
	STAT5401	STOCHASTIC PROCESSES	48	45.83	2	1.2	91.67	3	1.2	2.4
	STAT5404(A)	ACTUARIAL STATISTICS	48	50	2	1.2	93.75	3	1.2	2.4
	STAT5405	STATISTICS PRACTICAL-VII	48	58.33	2	1.2	95.83	3	1.2	2.4
	STAT5406	PROJECT	48	100	3	1.8	100	3	1.2	3
Total			576	670.82	25	15	108.33	36	14.4	29.4
Average			48	55.9	2.08	1.25	92.36	3	1.2	2.45

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.45	3	1.72	0.9	2.62	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Zoology
Post Graduate Program : M.Sc. Zoology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	ZOO5301A	ENTOMOLOGY-I	9	66.67	3	1.8	88.89	3	1.2	3
	ZOO5301B	ANIMAL PHYSIOLOGY-I	9	33.33	1	0.6	100	3	1.2	1.8
	ZOO5301C	GENETICS-I	10	90	3	1.8	100	3	1.2	3
	ZOO5302	INSECT PHYSIOLOGY, BIOCHEMISTRY AND ECOLOGY	28	67.86	3	1.8	85.71	3	1.2	3
	ZOO5303	MAMMALIAN REPRODUCTIVE PHYSIOLOGY AND HISTOLOGY & HISTOCHEMISTRY	28	60.71	3	1.8	96.43	3	1.2	3
	ZOO5304	ECONOMIC ZOOLOGY	28	50	2	1.2	92.86	3	1.2	2.4
	ZOO5305A	ZOOLOGY PRACTICALS-1(BASED ON ZOO:5301A, ZOO:5302)	9	55.56	2	1.2	88.89	3	1.2	2.4
	ZOO5305B	ZOOLOGY PRACTICALS-1(BASED ON ZOO:5301B, ZOO:5302)	9	33.33	1	0.6	100	3	1.2	1.8
	ZOO5305C	ZOOLOGY PRACTICALS-1(BASED ON ZOO:5301C, ZOO:5302)	10	100	3	1.8	100	3	1.2	3
	ZOO5306	ZOOLOGY PRACTICALS-2(BASED ON ZOO:5303, ZOO:5304)	28	75	3	1.8	100	3	1.2	3
IV	ZOO 5402	IMMUNOLOGY & PARASITOLOGY	28	64.29	3	1.8	92.86	3	1.2	3
	ZOO 5403	PEST CONTROL & TOXICOLOGY	28	78.57	3	1.8	85.71	3	1.2	3
	ZOO5401A	ENTOMOLOGY-II	9	77.78	3	1.8	88.89	3	1.2	3
	ZOO5401B	ANIMAL PHYSIOLOGY-II	9	33.33	1	0.6	66.67	3	1.2	1.8
	ZOO5401C	GENETICS-II	10	100	3	1.8	100	3	1.2	3
	ZOO5404	ENVIRONMENTAL BIOLOGY AND ANIMAL SYSTEMATICS & DIVERSITY	28	89.29	3	1.8	89.29	3	1.2	3
	ZOO5405A	ZOOLOGY PRACTICALS-1 (BASED ON ZOO:5401A, ZOO:5402, ZOO:5403, ZOO:5404)	9	88.89	3	1.8	88.89	3	1.2	3
	ZOO5405B	ZOOLOGY PRACTICALS-1 (BASED ON ZOO:5401B, ZOO:5402, ZOO:5403, ZOO:5404)	9	88.89	3	1.8	100	3	1.2	3
	ZOO5405C	ZOOLOGY PRACTICALS-1 (BASED ON ZOO:5401C, ZOO:5402, ZOO:5403, ZOO:5404)	10	100	3	1.8	100	3	1.2	3

IV	ZOO5406	RESEARCH PROJECT, REVIEW OF LITERATURE AND SUMMER TRAINING/INDUSTRIAL TRAINING	28	100	3	1.8	100	3	1.2	3
		Total	336	1453.5	52	31.2	1865.09	60	24	55.2
		Average	16.8	72.68	2.6	1.56	93.25	3	1.2	2.76

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.76	3	1.93	0.9	2.83	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Food Processing
Post Graduate Program : M.Voc. Food Processing
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	FPT-3.1 P	DAIRY PROCESSING TECHNOLOGY	19	100	3	1.8	100	3	1.2	3
	FPT-3.2 P	POST-HARVEST TECHNOLOGY	19	94.74	3	1.8	100	3	1.2	3
	FPT-3.3 P	STATISTICS AND RESEARCH METHODOLOGY	19	89.47	3	1.8	100	3	1.2	3
	FPT-3.4 P	INDUSTRIAL TRAINING/DISSERTATION PART-1	19	94.74	3	1.8				1.8
	FPT-301 T(A)	ELECTIVE-1: DAIRY PROCESSING TECHNOLOGY OR	19	89.47	3	1.8	100	3	1.2	3
	FPT-302 T	POST-HARVEST TECHNOLOGY	19	73.68	3	1.8	100	3	1.2	3
	FPT-303 T	FOOD SAFETY AND QUALITY MANAGEMENT	19	42.11	2	1.2	84.21	3	1.2	2.4
IV	FPT-4.1 P	SEMINAR BASED ON CASE STUDY	19	78.95	3	1.8	42.11	2	0.8	2.6
	FPT-4.2 P	INDUSTRIAL VISIT	19	73.68	3	1.8	57.89	2	0.8	2.6
	FPT-4.3 P	INDUSTRIAL TRAINING/DISSERTATION PART-2	19	57.89	2	1.2	52.63	2	0.8	2
Total			190	794.73	28	16.8	736.84	24	9.6	26.4
Average			19	79.47	2.8	1.68	73.68	2.4	0.96	2.64

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.64	3	1.85	0.9	2.75	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)
Course and Program Outcome Attainment
Department of Journalism
Post Graduate Program : M.Voc. Journalism
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
III	MS 301A	SCRIPT WRITING AND DIRECTION	8	37.5	1	0.6	87.5	3	1.2	1.8
	MS 302A	SOUND AND POST-PRODUCTION	8	50	2	1.2	62.5	3	1.2	2.4
	MS 303A	FILM APPRECIATION	8	75	3	1.8	37.5	1	0.4	2.2
	MS 304A	GROUP PROJECT	8	62.5	3	1.8	75	3	1.2	3
	MS 305A	VIDEO EDITING	8	62.5	3	1.8	50	2	0.8	2.6
	MS 306A	LIGHTING TECHNIQUES	8	62.5	3	1.8	62.5	3	1.2	3
IV	MS 404A	INDUSTRIAL INTERNSHIP	8	100	3	1.8	87.5	3	1.2	3
	MS 405A	STUDY VISITS AND REPORT	8	87.5	3	1.8	87.5	3	1.2	3
	MS 406A	VIDEO PRODUCTION PROJECT	8	87.5	3	1.8	62.5	3	1.2	3
Total			72	625	24	14.4	612.5	24	9.6	24
Average			8	69.44	2.67	1.6	68.06	2.67	1.07	2.67

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.67	3	1.87	0.9	2.77	5

Program Outcome Level	Target Attainment
Level 1	0.5 - 1.0
Level 2	1.0 - 1.5
Level 3	1.5 - 2.0
Level 4	2.0 - 2.5
Level 5	2.5 - 3.0

