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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
Program & Course
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 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	NA	NA	NA	1.8
	BBA3507(B)	FINANCE PROJECT	33	100	3	1.8	NA	NA	NA	1.8
	BBA3507(C)	MARKETING PROJECT	18	94.44	3	1.8	NA	NA	NA	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	NA	NA	NA	1.8
	BBA3607(B)	FINANCIAL PROJECT	33	100	3	1.8	NA	NA	NA	1.8
	BBA3607(C)	MARKETING PROJECT	18	94.44	3	1.8	NA	NA	NA	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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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 : BCA
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	NA	NA	NA	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	NA	NA	NA	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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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 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	10	1	0.6	100	3	1.2	1.8
	ELE3505	FUNDAMENTALS OF 'C' PROGRAMMING	10	10	1	0.6	100	3	1.2	1.8
	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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
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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 Environment
Under Graduate Program : B.Sc.Environment
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	1700.01	54	21.6	54
	Average	3	79.63	3	1.8	94.44	3	1.2	3



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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 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 CONTEMPORY 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 CONTEMPORY 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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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.Environment
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	1700.01	54	21.6	54
Average	3	79.63	3	1.8	94.44	3	1.2	3



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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 Yoga
Under Graduate Program : B.A. Yoga
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	YOGGEN3501	YOGA VIDYA-I	25	72	3	1.8	92	3	1.2	3
VI	YOGGEN3601	YOGA VIDYA - I	25	80	3	1.8	100	3	1.2	3
		Total	50	152	6	3.6	192	6	2.4	6
		Average	25	76	3	1.8	96	3	1.2	3



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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 Philosophy
Under Graduate Program : B.A. Philosophy
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	PHILGEN3501	MODERN INDIAN PHILOSOPHER	11	36.36	1	0.6	81.82	3	1.2	1.8
	PHILSPL3502	INDIAN & WESTERN PHILOSOPHY	6	16.67	1	0.6	83.33	3	1.2	1.8
	PHILSPL3503	JAIN PHILOSOPHY	6	16.67	1	0.6	83.33	3	1.2	1.8
VI	PHILGEN3601	MODERN INDIAN PHILOSOPHER	11	18.18	1	0.6	90.91	3	1.2	1.8
	PHILSPL3602	INDIAN & WESTERN PHILOSOPHY	6	33.33	1	0.6	100	3	1.2	1.8
	PHILSPL3603	JAIN PHILOSOPHY	6	50	2	1.2	100	3	1.2	2.4
Total			46	171.21	7	4.2	539.39	18	7.2	11.4
Average			7.67	28.53	1.17	0.7	89.9	3	1.2	1.9



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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 Retail
Under Graduate Program : B.Voc.Retail
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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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 Sanskrit
Under Graduate Program : B.A. Sanskrit
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	SANGEN3501	SANSKRIT BHASHA PRABODH-I	7	14.29	1	0.6	85.71	3	1.2	1.8
VI	SANGEN3601	SANSKRIT BHASHA PRABODH - II	7	28.57	1	0.6	42.86	2	0.8	1.4
Total			14	42.86	2	1.2	128.57	5	2	3.2
Average			7	21.43	1	0.6	64.28	2.5	1	1.6



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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 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
	SOC SPL3502	SOCIAL RESEARCH METHODS	12	25	1	0.6	83.33	3	1.2	1.8
	SOC SPL3503	CONTEMPORARY INDIAN SOCIETY	12	70	3	1.8	91.67	3	1.2	3
VI	SOCGEN3601	WORK AND SOCIETY / CRIME AND SOCIETY	38	57.89	2	1.2	89.47	3	1.2	2.4
	SOC SPL3602	SOCIAL RESEARCH METHODS	12	16.67	1	0.6	66.67	3	1.2	1.8
	SOC SPL3603	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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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	186.38	36	14.4
	Average		44	48.48	2	1.2	98.86	3	1.2	2.4



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Website - www.tccollege.org

Contact – 02112-222405 / 223635

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
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	NA	NA	NA	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	NA	NA	NA	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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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	424.99	51	20.4	36.6
Average	128	34.16	1.5	0.9	79.17	2.83	1.13	2.03



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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	1730.53	54	21.6	49.2
Average	36	69.29	2.56	1.53	96.14	3	1.2	2.73



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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	SPERMATOPHYTA 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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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	10	1	0.6	100	3	1.2	1.8
	ELE3505	FUNDAMENTALS OF 'C' PROGRAMMING	10	10	1	0.6	100	3	1.2	1.8
	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	90	3	1.8	100	3	1.2	3
	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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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
	ENGEN3502	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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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	1	1	0/6	80	3	1.2	1.8
	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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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
	HISSPL3502	INTRODUCTION TO HISTORY PART I	11	45.45	2	1.2	54.55	2	0.8	2
	HISSPL3503	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
	HISSPL3602	INTRODUCTION TO HISTORY PART II	11	27.27	1	0.6	100	3	1.2	1.8
	HISSPL3603	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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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 Logic
Under Graduate Program : B.A.Logic
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	LOGGEN3501	LOGIC: METHODOLOGY OF SOCIAL SCIENCE	12	33.33	1	0.6	75	3	1.2	1.8
VI	LOGGEN3601	LOGIC: METHODOLOGY OF SOCIAL SCIENCE	12	16.67	1	0.6	83.33	3	1.2	1.8
		Total	24	50	2	1.2	158.33	6	2.4	3.6
		Average	12	25	1	0.6	79.16	3	1.2	1.8



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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 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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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	1727.28	54	21.6	47.4
Average	11	60.1	2.39	1.43	95.96	3	1.2	2.63



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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	1769.58	54	21.6	40.8
	Average	46	45.9	1.78	1.07	98.31	3	1.2	2.27



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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
	PHY3509	PHYSICS PROJECT -I	24	79.17	3	1.8	91.67	3	1.2	3
VI	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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

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



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
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Level 1	Below 40 % of students scoring more than average marks
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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




 Principal
 Tuljaram Chaturchand College
 Baramati