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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 2023 - 2024

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 & Information Science
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | LIS-501-MJM | INFORMATION COMMUNICATION SOCIETY | 12 | 33.33 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | LIS-502-MJM | MANAGEMENT OF LIBRARIES AND INFORMATION CENTERS-A | 12 | 91.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | LIS-503-MJM | INFORMATION TECHNOLOGY APPLICATIONS : PRACTICAL | 12 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | LIS-504-MJM | INFORMATION RETRIEVAL | 12 | 25 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | LIS-511-MJE | ACADEMIC LIBRARY SYSTEM | 12 | 25 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | LIS-521-RM | INTRODUCTION TO RESEARCH METHODOLOGY | 12 | 91.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| II | LIS-551-MJM | Management of Libraries and Information Centres-B | 12 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | LIS-552-MJM | Statistical Techniques of Research Bibliometrics | 12 | 91.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | LIS-553-MJM | Information Communication Technology: Practical | 12 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | LIS-554-MJM | Bibliographic Control and Information Systems | 12 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | LIS-561-MJE | Information Technology: (Theory) | 12 | 41.67 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | LIS-581-FP | Field Project | 12 | 100 | 3 | 1.8 | | | | 1.8 |
| Total | | | 144 | 900.01 | 29 | 17.4 | 1100 | 33 | 13.2 | 30.6 |
| Average | | | 12 | 75 | 2.42 | 1.45 | 91.67 | 2.75 | 1.1 | 2.55 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.55 | 3 | 1.78 | 0.9 | 2.68 | 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 D.T.L.
Under Graduate Program : Diploma In Taxation Law
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 45 | 4.44 | 1 | 0.6 | 82.22 | 3 | 1.2 | 1.8 |
| | PGDTL112 | INCOME TAX | 45 | 33.33 | 1 | 0.6 | 80 | 3 | 1.2 | 1.8 |
| | PGDTL113 | GOODS AND SERVICES TAX | 45 | 8.89 | 1 | 0.6 | 55.56 | 2 | 0.8 | 1.4 |
| | PGDTL114 | CUSTOM ACT | 45 | 4.44 | 1 | 0.6 | 48.89 | 2 | 0.8 | 1.4 |
| | PGDTL115 | BUSINESS ACCOUNTING PRACTICES | 45 | 28.89 | 1 | 0.6 | 75.56 | 3 | 1.2 | 1.8 |
| Total | | | 225 | 79.99 | 5 | 3 | 342.23 | 13 | 5.2 | 8.2 |
| Average | | | 45 | 16 | 1 | 0.6 | 68.45 | 2.6 | 1.04 | 1.64 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 1.64 | 3 | 1.15 | 0.9 | 2.05 | 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 2023 - 2024

| 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 | 92 | 39.13 | 1 | 0.6 | 63.04 | 3 | 1.2 | 1.8 |
| | BBA3502 | ENTREPRENEURSHIP DEVELOPMENT | 92 | 15.22 | 1 | 0.6 | 68.48 | 3 | 1.2 | 1.8 |
| | BBA3503 | BUSINESS LAW | 92 | 13.04 | 1 | 0.6 | 59.78 | 2 | 0.8 | 1.4 |
| | BBA3504 | RESEARCH METHODOLOGY | 92 | 46.74 | 2 | 1.2 | 97.83 | 3 | 1.2 | 2.4 |
| | BBA3505(A) | HUMAN RESOURCE MANAGEMENT-I | 34 | 11.76 | 1 | 0.6 | 52.94 | 2 | 0.8 | 1.4 |
| | BBA3505(B) | FINANCIAL MANAGEMENT-I | 35 | 68.57 | 3 | 1.8 | 88.57 | 3 | 1.2 | 3 |
| | BBA3505(C) | MARKETING MANAGEMENT-I | 23 | 21.74 | 1 | 0.6 | 21.74 | 1 | 0.4 | 1 |
| | BBA3506(A) | HUMAN RESOURCE MANAGEMENT-II | 34 | 61.76 | 3 | 1.8 | 97.06 | 3 | 1.2 | 3 |
| | BBA3506(B) | FINANCIAL MANAGEMENT-II | 35 | 68.57 | 3 | 1.8 | 88.57 | 3 | 1.2 | 3 |
| | BBA3506(C) | MARKETING MANAGEMENT-II | 23 | 21.74 | 1 | 0.6 | 34.78 | 1 | 0.4 | 1 |
| | BBA3507(A) | HUMAN RESOURCE MANAGEMENT PROJECT | 34 | 61.76 | 3 | 1.8 | | | | 1.8 |
| | BBA3507(B) | FINANCE PROJECT | 35 | 100 | 3 | 1.8 | | | | 1.8 |
| | BBA3507(C) | MARKETING PROJECT | 23 | 95.65 | 3 | 1.8 | | | | 1.8 |
| VI | BBA3601 | BUSINESS PLANNING AND PROJECT MANAGEMENT | 92 | 50 | 2 | 1.2 | 93.48 | 3 | 1.2 | 2.4 |
| | BBA3602 | MANAGEMENT CONTROL SYSTEM | 92 | 28.26 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | BBA3603 | E- BUSINESS | 92 | 10.87 | 1 | 0.6 | 95.65 | 3 | 1.2 | 1.8 |
| | BBA3604 | BUSINESS ANALYTICS | 92 | 44.57 | 2 | 1.2 | 95.65 | 3 | 1.2 | 2.4 |
| | BBA3605(A) | HUMAN RESOURCE MANAGEMENT-I | 34 | 11.76 | 1 | 0.6 | 94.12 | 3 | 1.2 | 1.8 |
| | BBA3605(B) | FINANCIAL MANAGEMENT-I | 35 | 71.43 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |

| | | | | | | | | | | |
|----|------------|-----------------------------------|--------------|----------------|-------------|-------------|---------------|-------------|-------------|-------------|
| VI | BBA3605(C) | MARKETING MANAGEMENT-I | 23 | 34.78 | 1 | 0.6 | 65.22 | 3 | 1.2 | 1.8 |
| | BBA3606(A) | HUMAN RESOURCE MANAGEMENT-II | 34 | 8.82 | 1 | 0.6 | 52.94 | 2 | 0.8 | 1.4 |
| | BBA3606(B) | FINANCIAL MANAGEMENT-II | 35 | 22.86 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | BBA3606(C) | MARKETING MANAGEMENT-II | 23 | 30.43 | 1 | 0.6 | 91.3 | 3 | 1.2 | 1.8 |
| | BBA3607(A) | HUMAN RESOURCE MANAGEMENT PROJECT | 34 | 50 | 2 | 1.2 | | | | 1.2 |
| | BBA3607(B) | FINANCIAL PROJECT | 35 | 100 | 3 | 1.8 | | | | 1.8 |
| | BBA3607(C) | MARKETING PROJECT | 23 | 86.96 | 3 | 1.8 | | | | 1.8 |
| | | Total | 1288 | 1176.42 | 48 | 28.8 | 561.15 | 53 | 21.2 | 50 |
| | | Average | 49.54 | 45.25 | 1.85 | 1.11 | 60.04 | 2.04 | 0.82 | 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 BCA
Under Graduate Program : BBA (CA)
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 120 | 9.17 | 1 | 0.6 | 90.83 | 3 | 1.2 | 1.8 |
| | BCA3502 | .NET PROGRAMMING | 120 | 15.83 | 1 | 0.6 | 81.67 | 3 | 1.2 | 1.8 |
| | BCA3503(A) | CLOUD COMPUTING | 120 | 14.17 | 1 | 0.6 | 71.67 | 3 | 1.2 | 1.8 |
| | BCA3504(B) | MACHINE LEARNING | 120 | 25 | 1 | 0.6 | 76.67 | 3 | 1.2 | 1.8 |
| | BCA3505 | PROJECT | 120 | 90.83 | 3 | 1.8 | | | | 1.8 |
| | BCA3506 | PRACTICAL - I | 120 | 50 | 2 | 1.2 | 85 | 3 | 1.2 | 2.4 |
| | BCA3507 | PRACTICAL - II | 120 | 64.17 | 3 | 1.8 | 58.33 | 2 | 0.8 | 2.6 |
| | BCA3508 | PRACTICAL - III | 120 | 77.5 | 3 | 1.8 | 85 | 3 | 1.2 | 3 |
| VI | BCA3601 | DATA ANALYTICS USING PYTHON | 120 | 9.17 | 1 | 0.6 | 81.67 | 3 | 1.2 | 1.8 |
| | BCA3602 | NOSQL DATABASES | 120 | 32.5 | 1 | 0.6 | 60.83 | 3 | 1.2 | 1.8 |
| | BCA3603(A) | BIG DATA | 120 | 10.83 | 1 | 0.6 | 89.17 | 3 | 1.2 | 1.8 |
| | BCA3604(A) | DATA MINING | 120 | 21.67 | 1 | 0.6 | 57.5 | 2 | 0.8 | 1.4 |
| | BCA3605 | PROJECT | 120 | 84.17 | 3 | 1.8 | | | | 1.8 |
| | BCA3606 | PRACTICAL - I | 120 | 87.5 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | BCA3607 | PRACTICAL - II | 120 | 64.17 | 3 | 1.8 | 62.5 | 3 | 1.2 | 3 |
| Total | | | 1800 | 656.68 | 28 | 16.8 | 1000.84 | 37 | 14.8 | 31.6 |
| Average | | | 120 | 43.78 | 1.87 | 1.12 | 66.72 | 2.47 | 0.99 | 2.11 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.11 | 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 Dairy Technology
Under Graduate Program : B.Voc. Dairy Technology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 18 | 5.56 | 1 | 0.6 | 16.67 | 1 | 0.4 | 1 |
| | DT-502 T | FAT RICH MILK PRODUCTS | 18 | 16.67 | 1 | 0.6 | 11.11 | 1 | 0.4 | 1 |
| | DT-503 T | DAIRY PLANT MANAGEMENT | 18 | 22.22 | 1 | 0.6 | 83.33 | 3 | 1.2 | 1.8 |
| | DT-5.1 P | QUALITY ASSURANCE AND WASTE MANAGEMENT-I | 18 | 33.33 | 1 | 0.6 | 5.56 | 1 | 0.4 | 1 |
| | DT-5.2 P | FAT RICH MILK PRODUCTS-I | 18 | 44.44 | 2 | 1.2 | 61.11 | 3 | 1.2 | 2.4 |
| | DT-5.3 P | PROJECT | 18 | 5.56 | 1 | 0.6 | 61.11 | 3 | 1.2 | 1.8 |
| VI | DT-601 T | DAIRY PRODUCT DEVELOPMENT | 18 | 38.89 | 1 | 0.6 | 27.78 | 1 | 0.4 | 1 |
| | DT-602 T | PACKAGING TECHNOLOGY | 18 | 11.11 | 1 | 0.6 | 38.89 | 1 | 0.4 | 1 |
| | DT-603 T | ENTREPRENEURSHIP DEVELOPMENT | 18 | 50 | 2 | 1.2 | 38.89 | 1 | 0.4 | 1.6 |
| | DT-6.1 P | DAIRY PRODUCT DEVELOPMENT-I | 18 | 72.22 | 3 | 1.8 | 72.22 | 3 | 1.2 | 3 |
| | DT-6.2 P | PACKAGING TECHNOLOGY-I | 18 | 16.67 | 1 | 0.6 | 16.67 | 1 | 0.4 | 1 |
| | DT-6.3 P | IN-PLANT TRAINING | 18 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 216 | 416.67 | 18 | 10.8 | 533.34 | 22 | 8.8 | 19.6 |
| Average | | | 18 | 34.72 | 1.5 | 0.9 | 44.44 | 1.83 | 0.73 | 1.63 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 1.63 | 3 | 1.14 | 0.9 | 2.04 | 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 2023 - 2024

| 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 | 9 | | | | 100 | 3 | 1.2 | 1.2 |
| | ELE3502 | 8051 MICROCONTROLLER | 9 | 22.22 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | ELE3503 | ANALOG CIRCUIT DESIGN AND APPLICATIONS OF LINEAR ICS | 9 | 22.22 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | ELE3504 | PRINCIPLES OF SEMICONDUCTOR DEVICES | 9 | 22.22 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | ELE3505 | FUNDAMENTALS OF 'C' PROGRAMMING | 9 | | | | 100 | 3 | 1.2 | 1.2 |
| | ELE3506 | OPTICAL FIBER COMMUNICATION | 9 | 33.33 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | ELE3507 | ELECTRONICS PRACTICAL - I | 9 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ELE3508 | ELECTRONICS PRACTICAL – II | 9 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ELE3509 | ELECTRONICS PRACTICAL – III (PROJECT) | 9 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | ELE3601 | ADVANCED COMMUNICATION SYSTEMS | 9 | 11.11 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | ELE3602 | 8051 'C' PROGRAMMING AND EMBEDDED SYSTEMS | 9 | 22.22 | 1 | 0.6 | 55.56 | 2 | 0.8 | 1.4 |
| | ELE3603 | POWER DEVICES AND CIRCUITS | 9 | 11.11 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | ELE3604 | FOUNDATION OF NANO ELECTRONICS | 9 | 22.22 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | ELE3605 | MATHEMATICAL METHODS AND CIRCUIT SIMULATION USING MATLAB | 9 | 22.22 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | ELE3606 | INDUSTRIAL AUTOMATION | 9 | 44.44 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | ELE3607 | ELECTRONICS PRACTICAL - I | 9 | 55.56 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | ELE3608 | ELECTRONICS PRACTICAL – II | 9 | 55.56 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | ELE3609 | ELECTRONICS PRACTICAL – III (PROJECT) | 9 | 55.56 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|----------------|------------|---------------|-------------|-------------|---------------|-------------|-------------|-------------|
| | Total | 162 | 699.99 | 26 | 15.6 | 755.56 | 53 | 21.2 | 36.8 |
| | Average | 9 | 38.89 | 1.44 | 0.87 | 97.53 | 2.94 | 1.18 | 2.04 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.04 | 3 | 1.43 | 0.9 | 2.33 | 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. Environmental Science
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3502 | WILDLIFE BIOLOGY | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3503 | GEOSCIENCE | 13 | 84.62 | 3 | 1.8 | 92.31 | 3 | 1.2 | 3 |
| | EVS3504 | NATURE CONSERVATION | 13 | 84.62 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3505 | ENVIRONMENTAL GOVERNANCE, LAWS AND ETHICS | 13 | 92.31 | 3 | 1.8 | 92.31 | 3 | 1.2 | 3 |
| | EVS3506 | ENVIRONMENTAL BIOTECHNOLOGY | 13 | 46.15 | 2 | 1.2 | 92.31 | 3 | 1.2 | 2.4 |
| | EVS3507 | ENVIRONMENTAL SCIENCE PRACTICAL - I | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3508 | ENVIRONMENTAL SCIENCE PRACTICAL – II | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3509 | ENVIRONMENTAL SCIENCE PRACTICAL – III | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | EVS3601 | CLIMATE CHANGE | 13 | 92.31 | 3 | 1.8 | 84.62 | 3 | 1.2 | 3 |
| | EVS3602 | ANALYTICAL METHODS | 13 | 84.62 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3603 | SUSTAINABLE DEVELOPMENT | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3604 | ENVIRONMENTAL STATISTICS | 13 | 61.54 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3605 | ENVIRONMENTAL RISK AND ASSESSMENT MANAGEMENT | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3606 | ENVIRONMENTAL ECONOMICS AND AUDIT | 13 | 100 | 3 | 1.8 | 84.62 | 3 | 1.2 | 3 |
| | EVS3607 | ENVIRONMENTAL SCIENCE PRACTICAL - I | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3608 | ENVIRONMENTAL SCIENCE PRACTICAL – II | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | EVS3609 | PROJECT | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|----------------|------------|----------------|-------------|-------------|---------------|-----------|-------------|-------------|
| | Total | 234 | 1646.17 | 53 | 31.8 | 746.17 | 54 | 21.6 | 53.4 |
| | Average | 13 | 91.45 | 2.94 | 1.77 | 97.01 | 3 | 1.2 | 2.97 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.97 | 3 | 2.08 | 0.9 | 2.98 | 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 2023 - 2024

| 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 | 24 | 33.33 | 1 | 0.6 | 33.33 | 1 | 0.4 | 1 |
| | DEFSPL3502 | INTERNATIONAL AND REGIONAL ORGANIZATIONS | 14 | 14.29 | 1 | 0.6 | 42.86 | 2 | 0.8 | 1.4 |
| | DEFSPL3503 | DEFENCE ECONOMICS | 14 | 14.29 | 1 | 0.6 | 50 | 2 | 0.8 | 1.4 |
| VI | DEFGEN3601 | INDIAS NATIONAL SECURITY IN 21ST CENTURY OR WAR AND CONTEMPORY WARFARE | 24 | 12.5 | 1 | 0.6 | 95.83 | 3 | 1.2 | 1.8 |
| | DEFSPL3602 | INTERNATIONAL AND REGIONAL ORGANIZATIONS | 14 | 64.29 | 3 | 1.8 | 71.43 | 3 | 1.2 | 3 |
| | DEFSPL3603 | DEFENCE ECONOMICS | 14 | 42.86 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| Total | | | 104 | 181.56 | 9 | 5.4 | 393.45 | 14 | 5.6 | 11 |
| Average | | | 17.33 | 30.26 | 1.5 | 0.9 | 65.58 | 2.33 | 0.93 | 1.83 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 1.83 | 3 | 1.28 | 0.9 | 2.18 | 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 E-Commerce
Under Graduate Program : B.Voc. E-Commerce
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 11 | 63.64 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ECDM-502T | MARKETING RESEARCH | 11 | 90.91 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ECDM-503T | HUMAN RESOURCES MANAGEMENT | 11 | 45.45 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | ECDM-504P | SOCIAL MEDIA MARKETING - II | 11 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ECDM-505P | GRAPHICS DESIGNS FOR DIGITAL MARKETING | 11 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ECDM-506P | PROJECT - I PROJECT REPORT ON SOCIAL MEDIA MARKETING | 11 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | ECDM-601T | DIGITAL MEDIA AND THE LAW | 11 | 72.73 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ECDM-602T | INTEGRATED MARKETING COMMUNICATION | 11 | 90.91 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ECDM-603T | ADVANCE DIGITAL MARKETING - I | 11 | 81.82 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ECDM-604P | ADVANCE DIGITAL MARKETING - II | 11 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ECDM-605P | PROJECT - II PROJECT REPORT ON WEB DEVELOPMENT | 11 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ECDM-606P | PROJECT - III PROJECT REPORT ON ADVANCE DIGITAL MARKETING | 11 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 132 | 1045.46 | 35 | 21 | 1200 | 36 | 14.4 | 35.4 |
| Average | | | 11 | 87.12 | 2.92 | 1.75 | 100 | 3 | 1.2 | 2.95 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.95 | 3 | 2.06 | 0.9 | 2.96 | 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 2023 - 2024

| 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 | 14 | 50 | 2 | 1.2 | 71.43 | 3 | 1.2 | 2.4 |
| | RM-1502 T | BANK FINANCE | 14 | 57.14 | 2 | 1.2 | 78.57 | 3 | 1.2 | 2.4 |
| | RM-1503 T | HUMAN RESOURCE MANAGEMENT FOR RETAIL MANAGEMENT | 14 | 71.43 | 3 | 1.8 | 57.14 | 2 | 0.8 | 2.6 |
| | RM-1504 P | INTERNSHIP | 14 | 64.29 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | RM-1505 P | MATERIAL AND LOGISTICS MANAGEMENT | 14 | 42.86 | 2 | 1.2 | 57.14 | 2 | 0.8 | 2 |
| | RM-1506 P | RETAIL STORE OPERATION-III | 14 | 100 | 3 | 1.8 | 78.57 | 3 | 1.2 | 3 |
| VI | RM-1601 T | MARKETING MANAGEMENT | 14 | 35.71 | 1 | 0.6 | 50 | 2 | 0.8 | 1.4 |
| | RM-1602 T | RETAIL FINANCIAL SERVICES | 14 | 64.29 | 3 | 1.8 | 85.71 | 3 | 1.2 | 3 |
| | RM-1603 T | ENTREPRENEURSHIP DEVELOPMENT | 14 | 57.14 | 2 | 1.2 | 50 | 2 | 0.8 | 2 |
| | RM-1604 P | INTERNSHIP | 14 | 78.57 | 3 | 1.8 | 92.86 | 3 | 1.2 | 3 |
| | RM-1605 P | E-COMMERCE AND DIGITAL MARKETING | 14 | 28.57 | 1 | 0.6 | 71.43 | 3 | 1.2 | 1.8 |
| | RM-1606 P | RETAIL STORE OPERATION-IV | 14 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 168 | 750 | 28 | 16.8 | 892.85 | 32 | 12.8 | 29.6 |
| Average | | | 14 | 62.5 | 2.33 | 1.4 | 74.4 | 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 Sociology
Under Graduate Program : B.A. Sociology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 42 | 76.19 | 3 | 1.8 | 95.24 | 3 | 1.2 | 3 |
| | SOCSP3502 | SOCIAL RESEARCH METHODS | 18 | 88.89 | 3 | 1.8 | 94.44 | 3 | 1.2 | 3 |
| | SOCSP3503 | CONTEMPORARY INDIAN SOCIETY | 18 | 72.22 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | SOCGEN3601 | WORK AND SOCIETY / CRIME AND SOCIETY | 42 | 83.33 | 3 | 1.8 | 95.24 | 3 | 1.2 | 3 |
| | SOCSP3602 | SOCIAL RESEARCH METHODS | 18 | 77.78 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | SOCSP3603 | CONTEMPORARY INDIAN SOCIETY | 18 | 72.22 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 156 | 470.63 | 18 | 10.8 | 584.92 | 18 | 7.2 | 18 |
| Average | | | 26 | 78.44 | 3 | 1.8 | 97.49 | 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 Food Processing
Under Graduate Program : B.Voc. Food Processing
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 41 | 90.24 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | FP-14 T | FOOD QUALITY, LAWS AND REGULATIONS | 41 | 39.02 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | FP-15 T | PRINCIPLE OF POST HARVEST TECHNOLOGY | 41 | 87.8 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | FP-5.1 P | PRACTICAL OF DAIRY TECHNOLOGY | 41 | 92.68 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | FP-5.2 P | ENTREPRENEURSHIP DEVELOPMENT | 41 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | FP-5.3 P | PROJECT | 41 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | FP-16 T | ANIMAL PRODUCT TECHNOLOGY | 41 | 80.49 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | FP-17 T | FOOD, SAFETY, HYGIENE AND SANITATION | 41 | 65.85 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | FP-18 T | PACKAGING TECHNOLOGY | 41 | 63.41 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | FP-6.1 P | ANIMAL PRODUCT TECHNOLOGY | 41 | 90.24 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | FP-6.2 P | PRACTICAL OF PACKAGING TECHNOLOGY | 41 | 97.56 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | FP-6.3 P | INTERNSHIP | 41 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 492 | 1007.29 | 34 | 20.4 | 1200 | 36 | 14.4 | 34.8 |
| Average | | | 41 | 83.94 | 2.83 | 1.7 | 100 | 3 | 1.2 | 2.9 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.9 | 3 | 2.03 | 0.9 | 2.93 | 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 2023 - 2024

| 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 | PMFP231A | DAIRY PROCESSING TECHNOLOGY | 20 | 70 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PMFP232 | POST HARVEST TECHNOLOGY | 20 | 60 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PMFP233 | FOOD SAFETY AND QUALITY MANAGEMENT | 20 | 85 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PMFP234 | DAIRY PROCESSING TECHNOLOGY | 20 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PMFP235 | POST HARVEST TECHNOLOGY | 20 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PMFP236 | STATISTICS AND RESEARCH METHODOLOGY | 20 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PMFP237 | INDUSTRIAL TRAINING / DISSERTATION PART-I | 20 | | | | 100 | 3 | 1.2 | 1.2 |
| IV | PMFP241 | SEMINAR BASED ON CASE STUDY | 20 | 90 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PMFP242 | INDUSTRIAL VISIT | 20 | 90 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PMFP243 | INDUSTRIAL TRAINING / DISSERTATION PART-II | 20 | 90 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 200 | 785 | 27 | 16.2 | 1000 | 30 | 12 | 28.2 |
| Average | | | 20 | 78.5 | 2.7 | 1.62 | 100 | 3 | 1.2 | 2.82 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.82 | 3 | 1.97 | 0.9 | 2.87 | 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 2023 - 2024

| 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 | 12 | 41.67 | 2 | 1.2 | 16.67 | 1 | 0.4 | 1.6 |
| | JR-502 T | INTRODUCTION TO MEDIA RESEARCH | 12 | 8.33 | 1 | 0.6 | 83.33 | 3 | 1.2 | 1.8 |
| | JR-503 T | MASS COMMUNICATION THEORY | 12 | 25 | 1 | 0.6 | 16.67 | 1 | 0.4 | 1 |
| | JR-504 P | CONTENT DEVELOPMENT FOR DIGITAL MEDIA | 12 | 83.33 | 3 | 1.8 | | | | 1.8 |
| | JR-505 P | VIDEO PRODUCTION PROJECT | 12 | 83.33 | 3 | 1.8 | 66.67 | 3 | 1.2 | 3 |
| | JR-506 P | INDUSTRY INTERNSHIP | 12 | 100 | 3 | 1.8 | | | | 1.8 |
| VI | JR-601 T | BASICS OF ADVERTISING | 12 | 16.67 | 1 | 0.6 | 8.33 | 1 | 0.4 | 1 |
| | JR-602 T | BASICS OF PUBLIC RELATIONS | 12 | | | | 25 | 1 | 0.4 | 0.4 |
| | JR-603 T | MEDIA MANAGEMENT | 12 | 8.33 | 1 | 0.6 | 75 | 3 | 1.2 | 1.8 |
| | JR-604 P | ADVERTISING PRACTICES | 12 | 83.33 | 3 | 1.8 | 41.67 | 2 | 0.8 | 2.6 |
| | JR-605 P | DISSERTATION/IN-DEPTH REPORTING (IDR) | 12 | 83.33 | 3 | 1.8 | 83.33 | 3 | 1.2 | 3 |
| | JR-606 P | INTERNSHIP | 12 | 83.33 | 3 | 1.8 | | | | 1.8 |
| Total | | | 144 | 616.65 | 24 | 14.4 | 416.67 | 18 | 7.2 | 21.6 |
| Average | | | 12 | 51.39 | 2 | 1.2 | 34.72 | 1.5 | 0.6 | 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 Journalism
Post Graduate Program : M.Voc. Journalism & Mass Communication
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PMMS231B | DIGITAL ADVERTISING AND MARKETING | 12 | 58.33 | 2 | 1.2 | 91.67 | 3 | 1.2 | 2.4 |
| | PMMS232B | NEW MEDIA STUDIES AND DIGITAL CULTURE | 12 | 25 | 1 | 0.6 | 91.67 | 3 | 1.2 | 1.8 |
| | PMMS233B | NEW FRONTIERS OF DIGITAL JOURNALISM | 12 | 16.67 | 1 | 0.6 | 8.33 | 1 | 0.4 | 1 |
| | PMMS234B | GROUP PROJECT | 12 | 58.33 | 2 | 1.2 | 41.67 | 2 | 0.8 | 2 |
| | PMMS235B | AUDIO PRODUCTION | 12 | 83.33 | 3 | 1.8 | 41.67 | 2 | 0.8 | 2.6 |
| | PMMS236B | DIGITAL CONTENT DEVELOPMENT-I | 12 | 75 | 3 | 1.8 | 91.67 | 3 | 1.2 | 3 |
| IV | PMMS241B | INDUSTRIAL INTERNSHIP | 12 | 91.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PMMS242B | STUDY VISITS AND REPORT | 12 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PMMS243B | RESEARCH PROJECT / IN-DEPTH REPORTING | 12 | 100 | 3 | 1.8 | 83.33 | 3 | 1.2 | 3 |
| Total | | | 108 | 608.33 | 21 | 12.6 | 650.01 | 23 | 9.2 | 21.8 |
| Average | | | 12 | 67.59 | 2.33 | 1.4 | 72.22 | 2.56 | 1.02 | 2.42 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.42 | 3 | 1.69 | 0.9 | 2.59 | 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
Under Graduate Program : B.Sc. Computer Science
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 117 | 21.37 | 1 | 0.6 | 68.38 | 3 | 1.2 | 1.8 |
| | CSCO3502 | THEORETICAL COMPUTER SCIENCE | 117 | 12.82 | 1 | 0.6 | 63.25 | 3 | 1.2 | 1.8 |
| | CSCO3503 | COMPUTER NETWORKS - I | 117 | 21.37 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | CSCO3504 | WEB DEVELOPMENT – I | 117 | 17.09 | 1 | 0.6 | 79.49 | 3 | 1.2 | 1.8 |
| | CSCO3505 | ADVANCED PROGRAMMING IN JAVA | 117 | 5.98 | 1 | 0.6 | 66.67 | 3 | 1.2 | 1.8 |
| | CSCO3506 | OBJECT ORIENTED SOFTWARE ENGINEERING | 117 | 52.14 | 2 | 1.2 | 64.96 | 3 | 1.2 | 2.4 |
| | CSCO3507 | LAB COURSE I: BASED ON CSCO3501 | 117 | 52.14 | 2 | 1.2 | 86.32 | 3 | 1.2 | 2.4 |
| | CSCO3508 | LAB COURSE II: BASED ON CSCO3505 | 117 | 41.88 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | CSCO3509 | LAB COURSE III: BASED ON CSCO3504 | 117 | 63.25 | 3 | 1.8 | 72.65 | 3 | 1.2 | 3 |
| VI | CSCO3601 | ADVANCED OPERATING SYSTEM | 117 | 28.21 | 1 | 0.6 | 80.34 | 3 | 1.2 | 1.8 |
| | CSCO3602 | COMPILER CONSTRUCTION | 117 | 33.33 | 1 | 0.6 | 83.76 | 3 | 1.2 | 1.8 |
| | CSCO3603 | COMPUTER NETWORKS - II | 117 | 54.7 | 2 | 1.2 | 96.58 | 3 | 1.2 | 2.4 |
| | CSCO3604 | WEB DEVELOPMENT-II | 117 | 52.14 | 2 | 1.2 | 72.65 | 3 | 1.2 | 2.4 |
| | CSCO3605 | ADVANCED JAVA TECHNOLOGIES – FRAMEWORKS | 117 | 11.11 | 1 | 0.6 | 99.15 | 3 | 1.2 | 1.8 |
| | CSCO3606 | SOFTWARE METRICS & PROJECT MANAGEMENT | 117 | 52.99 | 2 | 1.2 | 91.45 | 3 | 1.2 | 2.4 |
| | CSCO3607 | LAB COURSE I: BASED ON CSCO3601 | 117 | 56.41 | 2 | 1.2 | 89.74 | 3 | 1.2 | 2.4 |
| | CSCO3608 | LAB COURSE II: BASED ON CSCO3605 & MINI PROJECT USING JAVA | 117 | 37.61 | 1 | 0.6 | 62.39 | 3 | 1.2 | 1.8 |
| | CSCO3609 | LAB COURSE III: BASED ON CSCO3604 & MINI PROJECT USING PHP. | 117 | 81.2 | 3 | 1.8 | 84.62 | 3 | 1.2 | 3 |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|----------------|-------------|---------------|-------------|-------------|---------------|-----------|-------------|-------------|
| | Total | 2106 | 695.74 | 29 | 17.4 | 1462.4 | 54 | 21.6 | 39 |
| | Average | 117 | 38.65 | 1.61 | 0.97 | 81.24 | 3 | 1.2 | 2.17 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.17 | 3 | 1.52 | 0.9 | 2.42 | 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
Post Graduate Program : M.Sc.Computer Science
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PSCS231 | SOFTWARE ARCHITECTURE AND DESIGN PATTERN | 33 | 9.09 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PSCS232 | SOFT COMPUTING | 33 | 72.73 | 3 | 1.8 | 72.73 | 3 | 1.2 | 3 |
| | PSCS233 | DATA SCIENCE AND ANALYTICS | 33 | 69.7 | 3 | 1.8 | 87.88 | 3 | 1.2 | 3 |
| | PSCS234 | WEB SERVICES ARCHITECTURE USING . NET FRAMEWORK | 33 | 33.33 | 1 | 0.6 | 96.97 | 3 | 1.2 | 1.8 |
| | PSCS235A | EMERGING TECHNOLOGIES PYTHON PROGRAMMING | 33 | 12.12 | 1 | 0.6 | 93.94 | 3 | 1.2 | 1.8 |
| | PSCS236 | LAB COURSE ON PSCS233, 234 AND PSCS235A | 33 | 75.76 | 3 | 1.8 | 93.94 | 3 | 1.2 | 3 |
| | PSCS237 | PROJECT | 33 | 100 | 3 | 1.8 | 78.79 | 3 | 1.2 | 3 |
| IV | PSCS241 | INDUSTRIAL TRAINING / INSTITUTIONAL PROJECT(IT) | 33 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 264 | 472.73 | 18 | 10.8 | 724.25 | 24 | 9.6 | 20.4 |
| Average | | | 33 | 59.09 | 2.25 | 1.35 | 90.53 | 3 | 1.2 | 2.55 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.55 | 3 | 1.78 | 0.9 | 2.68 | 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
Under Graduate Program : B.Sc. Statistics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 29 | 93.1 | 3 | 1.8 | 82.76 | 3 | 1.2 | 3 |
| | STAT3502 | STATISTICAL INFERENCE- I | 29 | 86.21 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | STAT3503 | SAMPLING METHODS | 29 | 55.17 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | STAT3504 | DESIGN OF EXPERIMENTS | 29 | 51.72 | 2 | 1.2 | 89.66 | 3 | 1.2 | 2.4 |
| | STAT3505 | C- PROGRAMMING | 29 | 37.93 | 1 | 0.6 | 89.66 | 3 | 1.2 | 1.8 |
| | STAT3506(A) | INTRODUCTION TO STOCHASTIC PROCESSES | 29 | 27.59 | 1 | 0.6 | 75.86 | 3 | 1.2 | 1.8 |
| | STAT3507 | STATISTICS PRACTICAL- V | 29 | 24.14 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | STAT3508 | STATISTICS PRACTICAL- VI | 29 | 79.31 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | STAT3509 | STATISTICS PRACTICAL- VII | 29 | 75.86 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | STAT3601 | INTRODUCTION TO REGRESSION ANALYSIS | 29 | 34.48 | 1 | 0.6 | 96.55 | 3 | 1.2 | 1.8 |
| | STAT3602 | STATISTICAL INFERENCE- II | 29 | 58.62 | 2 | 1.2 | 55.17 | 2 | 0.8 | 2 |
| | STAT3603 | STATISTICAL QUALITY CONTROL AND RELIABILITY | 29 | 34.48 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | STAT3604 | OPERATIONS RESEARCH | 29 | 44.83 | 2 | 1.2 | 82.76 | 3 | 1.2 | 2.4 |
| | STAT3605 | STATISTICAL COMPUTING USING R- SOFTWARE | 29 | 48.28 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | STAT3606(B) | ACTUARIAL STATISTICS | 29 | 37.93 | 1 | 0.6 | 79.31 | 3 | 1.2 | 1.8 |
| | STAT3607 | STATISTICS PRACTICAL- VIII | 29 | 65.52 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | STAT3608 | STATISTICS PRACTICAL- IX | 29 | 89.66 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | STAT3609 | PROJECT | 29 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|----------------|------------|----------------|-------------|-------------|---------------|-------------|-------------|-------------|
| | Total | 522 | 1044.83 | 37 | 22.2 | 651.73 | 53 | 21.2 | 43.4 |
| | Average | 29 | 58.05 | 2.06 | 1.23 | 91.76 | 2.94 | 1.18 | 2.41 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.41 | 3 | 1.69 | 0.9 | 2.59 | 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 2023 - 2024

| 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 | PSST231 | ASYMPTOTIC INFERENCE | 42 | 9.52 | 1 | 0.6 | 59.52 | 2 | 0.8 | 1.4 |
| | PSST232 | DESIGN AND ANALYSIS OF EXPERIMENTS | 42 | 38.1 | 1 | 0.6 | 88.1 | 3 | 1.2 | 1.8 |
| | PSST233 | TIME SERIES ANALYSIS | 42 | 7.14 | 1 | 0.6 | 80.95 | 3 | 1.2 | 1.8 |
| | PSST234A | DATA MINING | 42 | 42.86 | 2 | 1.2 | 78.57 | 3 | 1.2 | 2.4 |
| | PSST235 | PRACTICAL PAPER-V | 42 | 88.1 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSST236 | PRACTICAL PAPER-VI | 42 | 95.24 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PSST241 | STOCHASTIC PROCESSES | 42 | 85.71 | 3 | 1.8 | 83.33 | 3 | 1.2 | 3 |
| | PSST242 | STATISTICAL PROCESS CONTROL | 42 | 69.05 | 3 | 1.8 | 97.62 | 3 | 1.2 | 3 |
| | PSST243 | SURVIVAL ANALYSIS | 42 | 33.33 | 1 | 0.6 | 95.24 | 3 | 1.2 | 1.8 |
| | PSST244A | ACTUARIAL STATISTICS | 42 | 73.81 | 3 | 1.8 | 97.62 | 3 | 1.2 | 3 |
| | PSST245 | PRACTICAL PAPER-VII | 42 | 71.43 | 3 | 1.8 | 97.62 | 3 | 1.2 | 3 |
| | PSST246 | PROJECT | 42 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 504 | 714.29 | 27 | 16.2 | 1078.57 | 35 | 14 | 30.2 |
| Average | | | 42 | 59.52 | 2.25 | 1.35 | 89.88 | 2.92 | 1.17 | 2.52 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.52 | 3 | 1.76 | 0.9 | 2.66 | 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 2023 - 2024

| 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 | 38 | 68.42 | 3 | 1.8 | 86.84 | 3 | 1.2 | 3 |
| | ZOO3502 | MAMMALIAN HISTOLOGY | 38 | 28.95 | 1 | 0.6 | 84.21 | 3 | 1.2 | 1.8 |
| | ZOO3503 | BIOCHEMISTRY | 38 | 28.95 | 1 | 0.6 | 81.58 | 3 | 1.2 | 1.8 |
| | ZOO3504 | ENVIRONMENTAL BIOLOGY & TOXICOLOGY | 38 | 42.11 | 2 | 1.2 | 78.95 | 3 | 1.2 | 2.4 |
| | ZOO3505 | PARASITOLOGY | 38 | 63.16 | 3 | 1.8 | 94.74 | 3 | 1.2 | 3 |
| | ZOO3506 | CELL BIOLOGY | 38 | 26.32 | 1 | 0.6 | 81.58 | 3 | 1.2 | 1.8 |
| | ZOO3507 | ZOOLOGY PRACTICAL-V | 38 | 65.79 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ZOO3508 | ZOOLOGY PRACTICAL-VI | 38 | 68.42 | 3 | 1.8 | 92.11 | 3 | 1.2 | 3 |
| | ZOO3509 | ZOOLOGY PRACTICAL-VII | 38 | 73.68 | 3 | 1.8 | 97.37 | 3 | 1.2 | 3 |
| VI | ZOO3601 | BIOLOGICAL TECHNIQUES | 38 | 39.47 | 1 | 0.6 | 97.37 | 3 | 1.2 | 1.8 |
| | ZOO3602 | MAMMALIAN PHYSIOLOGY & ENDOCRINOLOGY | 38 | 31.58 | 1 | 0.6 | 65.79 | 3 | 1.2 | 1.8 |
| | ZOO3603 | GENETICS & MOLECULAR BIOLOGY | 38 | 39.47 | 1 | 0.6 | 81.58 | 3 | 1.2 | 1.8 |
| | ZOO3604 | ORGANIC EVOLUTION | 38 | 42.11 | 2 | 1.2 | 94.74 | 3 | 1.2 | 2.4 |
| | ZOO3605 | GENERAL EMBRYOLOGY | 38 | 55.26 | 2 | 1.2 | 86.84 | 3 | 1.2 | 2.4 |
| | ZOO3606 | MEDICAL ENTOMOLOGY | 38 | 68.42 | 3 | 1.8 | 92.11 | 3 | 1.2 | 3 |
| | ZOO3607 | ZOOLOGY PRACTICAL-VIII | 38 | 78.95 | 3 | 1.8 | 81.58 | 3 | 1.2 | 3 |
| | ZOO3608 | ZOOLOGY PRACTICAL-IX | 38 | 71.05 | 3 | 1.8 | 84.21 | 3 | 1.2 | 3 |
| | ZOO3609 | PROJECT | 38 | 97.37 | 3 | 1.8 | 92.11 | 3 | 1.2 | 3 |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|----------------|------------|---------------|-------------|-------------|---------------|-----------|-------------|------------|
| | Total | 684 | 989.48 | 39 | 23.4 | 573.71 | 54 | 21.6 | 45 |
| | Average | 38 | 54.97 | 2.17 | 1.3 | 87.43 | 3 | 1.2 | 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 Zoology
Post Graduate Program : M.Sc. Zoology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PSZO231B | ANIMAL PHYSIOLOGY-I | 15 | 60 | 3 | 1.8 | 93.33 | 3 | 1.2 | 3 |
| | PSZO232 | PHYSIOLOGY, BIOCHEMISTRY AND ECOLOGY OF INSECTS | 15 | 73.33 | 3 | 1.8 | 93.33 | 3 | 1.2 | 3 |
| | PSZO233 | REPRODUCTIVE PHYSIOLOGY, HISTOLOGY AND HISTOCHEMISTRY OF MAMMALS | 15 | 80 | 3 | 1.8 | 93.33 | 3 | 1.2 | 3 |
| | PSZO234 | ECONOMIC ZOOLOGY | 15 | 86.67 | 3 | 1.8 | 93.33 | 3 | 1.2 | 3 |
| | PSZO235B | PRACTICAL CORRESPONDING TO PSZO231B, PSZO232 | 15 | 93.33 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSZO236 | PRACTICAL CORRESPONDING TO PSZO233, PSZO234 | 15 | 93.33 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PSZO241B | ANIMAL PHYSIOLOGY-II | 15 | 80 | 3 | 1.8 | 93.33 | 3 | 1.2 | 3 |
| | PSZO242 | IMMUNOLOGY AND PARASITOLOGY | 15 | 86.67 | 3 | 1.8 | 93.33 | 3 | 1.2 | 3 |
| | PSZO243 | PEST CONTROL AND TOXICOLOGY | 15 | 86.67 | 3 | 1.8 | 86.67 | 3 | 1.2 | 3 |
| | PSZO244 | ENVIRONMENTAL BIOLOGY AND ANIMAL SYSTEMATICS AND DIVERSITY | 15 | 80 | 3 | 1.8 | 93.33 | 3 | 1.2 | 3 |
| | PSZO245B | PRACTICAL CORRESPONDING TO PSZO241B, PSZO242, PSZO243 AND PSZO244 | 15 | 93.33 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSZO246 | RESEARCH PROJECT | 15 | 86.67 | 3 | 1.8 | 86.67 | 3 | 1.2 | 3 |
| Total | | | 180 | 1000 | 36 | 21.6 | 126.67 | 36 | 14.4 | 36 |
| Average | | | 15 | 83.33 | 3 | 1.8 | 93.89 | 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 Botany
Under Graduate Program : B.Sc. Botany
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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) | 8 | 12.5 | 1 | 0.6 | 37.5 | 1 | 0.4 | 1 |
| | BOT3502 | SPERMATOPHYTES AND PALAEOBOTANY | 8 | 12.5 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | BOT3503 | CELL AND MOLECULAR BIOLOGY | 8 | 37.5 | 1 | 0.6 | 37.5 | 1 | 0.4 | 1 |
| | BOT3504 | INDUSTRIAL BOTANY | 8 | 12.5 | 1 | 0.6 | 62.5 | 3 | 1.2 | 1.8 |
| | BOT3505 | BIOSTATISTICS | 8 | 12.5 | 1 | 0.6 | 75 | 3 | 1.2 | 1.8 |
| | BOT3506 | RESEARCH METHODOLOGY | 8 | 12.5 | 1 | 0.6 | 62.5 | 3 | 1.2 | 1.8 |
| | BOT3507 | BOTANY PRACTICAL - I | 8 | 12.5 | 1 | 0.6 | 37.5 | 1 | 0.4 | 1 |
| | BOT3508 | BOTANY PRACTICAL - II | 8 | 37.5 | 1 | 0.6 | 25 | 1 | 0.4 | 1 |
| | BOT3509 | BOTANY PRACTICAL - III | 8 | 75 | 3 | 1.8 | 62.5 | 3 | 1.2 | 3 |
| VI | BOT3601 | PLANT PHYSIOLOGY AND BIOCHEMISTRY | 8 | 25 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | BOT3602 | PLANT BIOTECHNOLOGY | 8 | 12.5 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | BOT3603 | GENETICS AND PLANT BREEDING | 8 | 12.5 | 1 | 0.6 | 37.5 | 1 | 0.4 | 1 |
| | BOT3604 | PLANT PATHOLOGY | 8 | 25 | 1 | 0.6 | 87.5 | 3 | 1.2 | 1.8 |
| | BOT3605 | PHARMACOGNOSY | 8 | 25 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | BOT3606 | BOTANICAL TECHNIQUES | 8 | 12.5 | 1 | 0.6 | 75 | 3 | 1.2 | 1.8 |
| | BOT3607 | BOTANY PRACTICAL - I | 8 | 75 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | BOT3608 | BOTANY PRACTICAL - II | 8 | 62.5 | 3 | 1.8 | 25 | 1 | 0.4 | 2.2 |
| | BOT3609 | PROJECT | 8 | 100 | 3 | 1.8 | 75 | 3 | 1.2 | 3 |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|----------------|------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------|
| | Total | 144 | 575 | 26 | 15.6 | 1200 | 42 | 16.8 | 32.4 |
| | Average | 8 | 31.94 | 1.44 | 0.87 | 66.67 | 2.33 | 0.93 | 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 Botany
Post Graduate Program : M.Sc. Botany
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PSBT231 | ANGIOSPERMS AND EVOLUTION | 21 | 76.19 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT232 | DEVELOPMENTAL BOTANY | 21 | 76.19 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT233 | COMPUTATIONAL BOTANY | 21 | 61.9 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT234A | ADVANCED PLANT PHYSIOLOGY-I | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT234B | ADVANCED MYCOLOGY AND PLANT PATHOLOGY-I | 5 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT234C | BRYOLOGY-I | 5 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT234D | ANGIOSPERM TAXONOMY-I | 5 | 60 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT235 | PRACTICAL BASED ON PSBT231, 232 AND 233 | 21 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT236A | PRACTICAL BASED ON SPECIAL PAPER ADVANCED PLANT PHYSIOLOGY-I | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT236B | PRACTICAL BASED ON SPECIAL PAPER ADVANCED MYCOLOGY AND PLANT PATHOLOGY-I | 5 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT236C | PRACTICAL BASED ON SPECIAL PAPER BRYOLOGY-I | 5 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT236D | PRACTICALS BASED ON SPECIAL PAPER ANGIOSPERM TAXONOMY-I | 5 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PSBT241 | PLANT PATHOLOGY | 21 | 90.48 | 3 | 1.8 | 95.24 | 3 | 1.2 | 3 |
| | PSBT242 | INDUSTRIAL BOTANY | 21 | 61.9 | 3 | 1.8 | 95.24 | 3 | 1.2 | 3 |
| | PSBT243 | PLANT BIOTECHNOLOGY | 21 | 52.38 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PSBT244A | ADVANCED PLANT PHYSIOLOGY-II | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT244B | ADVANCED MYCOLOGY AND PLANT PATHOLOGY-II | 5 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT244C | BRYOLOGY-II | 5 | 60 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSBT244D | ANGIOSPERM TAXONOMY-II | 5 | 60 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |

| | | | | | | | | | | |
|---------|---------|---|-----|---------|------|------|---------|----|------|------|
| IV | PSBT245 | PRACTICAL BASED ON PSBT411, 412 AND 413 | 21 | 90.48 | 3 | 1.8 | 90.48 | 3 | 1.2 | 3 |
| | PSBT246 | RESEARCH PROJCT AND SUMMER TRAINING | 21 | 95.24 | 3 | 1.8 | 80.95 | 3 | 1.2 | 3 |
| Total | | | 252 | 1784.76 | 62 | 37.2 | 2061.91 | 63 | 25.2 | 62.4 |
| Average | | | 12 | 84.99 | 2.95 | 1.77 | 98.19 | 3 | 1.2 | 2.97 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.97 | 3 | 2.08 | 0.9 | 2.98 | 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
Under Graduate Program : B.Sc. Chemistry
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 60 | 30 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | CHEM3502 | INORGANIC CHEMISTRY-I | 60 | 60 | 3 | 1.8 | 96.67 | 3 | 1.2 | 3 |
| | CHEM3503 | ORGANIC CHEMISTRY-I | 60 | 10 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | CHEM3504 | ANALYTICAL CHEMISTRY-I | 60 | 40 | 2 | 1.2 | 86.67 | 3 | 1.2 | 2.4 |
| | CHEM3505 | INDUSTRIAL CHEMISTRY-I | 60 | 61.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | CHEM3506(D) | ENVIRONMENTAL AND GREEN CHEMISTRY-I | 60 | 18.33 | 1 | 0.6 | 95 | 3 | 1.2 | 1.8 |
| | CHEM3507 | PHYSICAL CHEMISTRY PRACTICAL-I | 60 | 91.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | CHEM3508 | INORGANIC CHEMISTRY PRACTICAL- I | 60 | 95 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | CHEM3509 | ORGANIC CHEMISTRY PRACTICAL - I | 60 | 90 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | CHEM3601 | PHYSICAL CHEMISTRY- II | 60 | 33.33 | 1 | 0.6 | 96.67 | 3 | 1.2 | 1.8 |
| | CHEM3602 | INORGANIC CHEMISTRY-II | 60 | 36.67 | 1 | 0.6 | 85 | 3 | 1.2 | 1.8 |
| | CHEM3603 | ORGANIC CHEMISTRY-II | 60 | 10 | 1 | 0.6 | 71.67 | 3 | 1.2 | 1.8 |
| | CHEM3604 | ANALYTICAL CHEMISTRY-II | 60 | 31.67 | 1 | 0.6 | 88.33 | 3 | 1.2 | 1.8 |
| | CHEM3605 | INDUSTRIAL CHEMISTRY-II | 60 | 60 | 3 | 1.8 | 98.33 | 3 | 1.2 | 3 |
| | CHEM3606(D) | ENVIRONMENTAL AND GREEN CHEMISTRY-II | 60 | 15 | 1 | 0.6 | 70 | 3 | 1.2 | 1.8 |
| | CHEM3607 | PHYSICAL CHEMISTRY PRACTICAL-II OR PHYSICAL CHEMISTRY PROJECT | 60 | 75 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | CHEM3608 | INORGANIC CHEMISTRY PRACTICAL- II OR INORGANIC CHEMISTRY PROJECT | 60 | 71.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | CHEM3609 | ORGANIC CHEMISTRY PRACTICAL – II OR ORGANIC CHEMISTRY PROJECT | 60 | 91.67 | 3 | 1.8 | 98.33 | 3 | 1.2 | 3 |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|----------------|-------------|---------------|-------------|-------------|---------------|-----------|-------------|-------------|
| | Total | 1080 | 921.68 | 37 | 22.2 | 686.67 | 54 | 21.6 | 43.8 |
| | Average | 60 | 51.2 | 2.06 | 1.23 | 93.7 | 3 | 1.2 | 2.43 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.43 | 3 | 1.7 | 0.9 | 2.6 | 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. Analytical Chemistry
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PSCHA231 | ANALYTICAL METHOD DEVELOPMENT AND VALIDATION, NANOTECHNOLOGY | 45 | 48.89 | 2 | 1.2 | 91.11 | 3 | 1.2 | 2.4 |
| | PSCHA232 | ELECTROCHEMICAL METHODS AND FOOD ANALYSIS | 45 | 46.67 | 2 | 1.2 | 97.78 | 3 | 1.2 | 2.4 |
| | PSCHA233 | PHARMACEUTICAL ANALYSIS | 45 | 73.33 | 3 | 1.8 | 86.67 | 3 | 1.2 | 3 |
| | PSCHA234 | CHARACTERIZATION TECHNIQUES | 45 | 31.11 | 1 | 0.6 | 95.56 | 3 | 1.2 | 1.8 |
| | PSCHA235 | ANALYSIS OF MATERIALS | 45 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSCHA236 | INSTRUMENTAL ANALYSIS | 45 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PSCHA241 | FORENSIC SCIENCE | 45 | 64.44 | 3 | 1.8 | 91.11 | 3 | 1.2 | 3 |
| | PSCHA242 | ADVANCES IN ANALYTICAL TECHNIQUES | 45 | 48.89 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PSCHA243 | ANALYTICAL METHODS FOR ANALYSIS OF FERTILIZERS, DETERGENTS, WATER AND POLYMER, PAINT AND PIGMENT | 45 | 42.22 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PSCHA244 | METHOD OF ANALYSIS AND APPLICATIONS | 45 | 44.44 | 2 | 1.2 | 97.78 | 3 | 1.2 | 2.4 |
| | PSCHA245 | ANALYSIS OF PHARMACEUTICAL, FOOD AND BIO ANALYTICAL SAMPLES | 45 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSCHA246 | PROJECT WORK | 45 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 540 | 799.99 | 29 | 17.4 | 160.01 | 36 | 14.4 | 31.8 |
| Average | | | 45 | 66.67 | 2.42 | 1.45 | 96.67 | 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 Chemistry
Post Graduate Program : M.Sc. Inorganic Chemistry
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PSCHI231 | ORGANOMETALLIC CHEMISTRY AND HOMOGENEOUS CATALYSIS | 13 | 61.54 | 3 | 1.8 | 76.92 | 3 | 1.2 | 3 |
| | PSCHI232 | INORGANIC REACTION MECHANISM AND PHOTOCHEMISTRY | 13 | 46.15 | 2 | 1.2 | 84.62 | 3 | 1.2 | 2.4 |
| | PSCHI233 | PHYSICAL METHODS IN INORGANIC CHEMISTRY | 13 | 38.46 | 1 | 0.6 | 69.23 | 3 | 1.2 | 1.8 |
| | PSCHI234 | BIOINORGANIC AND INORGANIC MEDICINAL CHEMISTRY | 13 | 69.23 | 3 | 1.8 | 84.62 | 3 | 1.2 | 3 |
| | PSCHI235 | ANALYSIS, ESTIMATIONS AND COMPUTER APPLICATIONS | 13 | 100 | 3 | 1.8 | 92.31 | 3 | 1.2 | 3 |
| | PSCHI236 | INORGANIC PREPARATIONS AND INSTRUMENTAL ANALYSIS | 13 | 84.62 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PSCHI241 | HETEROGENEOUS CATALYSIS AND INORGANIC POLYMERS | 13 | 69.23 | 3 | 1.8 | 92.31 | 3 | 1.2 | 3 |
| | PSCHI242 | MATERIAL SCIENCE-I INORGANIC MATERIALS AND SOLID STATE CHEMISTRY | 13 | 53.85 | 2 | 1.2 | 76.92 | 3 | 1.2 | 2.4 |
| | PSCHI243 | MATERIAL SCIENCE-II NANO MATERIALS | 13 | 46.15 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PSCHI244 | INORGANIC APPLICATIONS IN INDUSTRY AND ENVIRONMENTAL CHEMISTRY | 13 | 46.15 | 2 | 1.2 | 76.92 | 3 | 1.2 | 2.4 |
| | PSCHI245 | EXTENDED PRACTICALS IN INORGANIC CHEMISTRY | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSCHI246 | PROJECT WORK | 13 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 156 | 815.38 | 30 | 18 | 1053.85 | 36 | 14.4 | 32.4 |
| Average | | | 13 | 67.95 | 2.5 | 1.5 | 87.82 | 3 | 1.2 | 2.7 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.7 | 3 | 1.89 | 0.9 | 2.79 | 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.Organic Chemistry
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PSCHO231 | DESIGNING OF ORGANIC SYNTHESIS AND HETEROCYCLIC CHEMISTRY | 48 | 64.58 | 3 | 1.8 | 93.75 | 3 | 1.2 | 3 |
| | PSCHO232 | SPECTROSCOPIC METHODS IN STRUCTURE DETERMINATION | 48 | 89.58 | 3 | 1.8 | 93.75 | 3 | 1.2 | 3 |
| | PSCHO233 | ORGANIC STEREOCHEMISTRY-I AND ORGANIC REACTION MECHANISM | 48 | 66.67 | 3 | 1.8 | 87.5 | 3 | 1.2 | 3 |
| | PSCHO234 | PHOTOCHEMISTRY, FREE RADICALS AND PERICYCLIC REACTIONS | 48 | 31.25 | 1 | 0.6 | 91.67 | 3 | 1.2 | 1.8 |
| | PSCHO235 | SINGLE STAGE PREPARATIONS | 48 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSCHO236 | DOUBLE STAGE PREPARATIONS | 48 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PSCHO241 | CHEMISTRY OF NATURAL PRODUCTS | 48 | 50 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PSCHO242 | ADVANCED SYNTHETIC ORGANIC CHEMISTRY | 48 | 87.5 | 3 | 1.8 | 95.83 | 3 | 1.2 | 3 |
| | PSCHO243 | BIOMOLECULES, ORGANIC CHEMISTRY OF DRUG DESIGN AND CHIRAL DRUGS | 48 | 64.58 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSCHO244 | ORGANIC STEREOCHEMISTRY-II AND ASYMMETRIC SYNTHESIS | 48 | 41.67 | 2 | 1.2 | 97.92 | 3 | 1.2 | 2.4 |
| | PSCHO245 | INNOVATIVE EXPERIMENTS IN ORGANIC CHEMISTRY | 48 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSCHO246 | PROJECT WORK | 48 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 576 | 895.83 | 32 | 19.2 | 160.42 | 36 | 14.4 | 33.6 |
| Average | | | 48 | 74.65 | 2.67 | 1.6 | 96.7 | 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 Commerce
Under Graduate Program : B.Com. Commerce
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 366 | 45.9 | 2 | 1.2 | 65.57 | 3 | 1.2 | 2.4 |
| | COMAA3502 | ADVANCED ACCOUNTING - I | 366 | 34.15 | 1 | 0.6 | 83.88 | 3 | 1.2 | 1.8 |
| | COMIE3503 | INTERNATIONAL ECONOMICS - I | 366 | 48.91 | 2 | 1.2 | 94.81 | 3 | 1.2 | 2.4 |
| | COMA3504 | AUDITING | 366 | 35.25 | 1 | 0.6 | 75.68 | 3 | 1.2 | 1.8 |
| | COMMM3505A | MARKETING MANAGEMENT - III | 69 | 63.77 | 3 | 1.8 | 86.96 | 3 | 1.2 | 3 |
| | COMCWA3505 | COST AND WORKS ACCOUNTING - III | 127 | 62.99 | 3 | 1.8 | 80.31 | 3 | 1.2 | 3 |
| | COMBF3505C | BANKING AND FINANCE - III | 102 | 46.08 | 2 | 1.2 | 90.2 | 3 | 1.2 | 2.4 |
| | COMBS3505D | BUSINESS STATISTICS - III | 68 | 32.35 | 1 | 0.6 | 42.65 | 2 | 0.8 | 1.4 |
| | COMMM3506A | MARKETING MANAGEMENT - IV | 69 | 21.74 | 1 | 0.6 | 98.55 | 3 | 1.2 | 1.8 |
| | COMCWA3506 | COST AND WORKS ACCOUNTING - IV | 127 | 52.76 | 2 | 1.2 | 84.25 | 3 | 1.2 | 2.4 |
| | COMBF3506C | BANKING AND FINANCE - IV | 102 | 23.53 | 1 | 0.6 | 96.08 | 3 | 1.2 | 1.8 |
| | COMBS3506D | BUSINESS STATISTICS - IV | 68 | 36.76 | 1 | 0.6 | 91.18 | 3 | 1.2 | 1.8 |
| VI | COMBRF3601 | BUSINESS REGULATORY FRAMEWORK-II | 366 | 50 | 2 | 1.2 | 83.06 | 3 | 1.2 | 2.4 |
| | COMAA3602 | ADVANCED ACCOUNTING - II | 366 | 61.48 | 3 | 1.8 | 90.71 | 3 | 1.2 | 3 |
| | COMIE3603 | INTERNATIONAL ECONOMICS - II | 366 | 43.44 | 2 | 1.2 | 92.62 | 3 | 1.2 | 2.4 |
| | COMT3604 | TAXATION | 366 | 60.66 | 3 | 1.8 | 83.33 | 3 | 1.2 | 3 |
| | COMMM3605A | MARKETING MANAGEMENT - V | 69 | 36.23 | 1 | 0.6 | 86.96 | 3 | 1.2 | 1.8 |
| | COMCWA3605 | COST AND WORKS ACCOUNTING - V | 127 | 68.5 | 3 | 1.8 | 87.4 | 3 | 1.2 | 3 |
| | COMBF3605C | BANKING AND FINANCE - V | 102 | 41.18 | 2 | 1.2 | 74.51 | 3 | 1.2 | 2.4 |

| | | | | | | | | | | |
|---------|------------|-------------------------------|------|---------|------|------|---------|------|------|------|
| VI | COMBS3605D | BUSINESS STATISTICS - V | 68 | 38.24 | 1 | 0.6 | 64.71 | 3 | 1.2 | 1.8 |
| | COMMM3606A | MARKETING MANAGEMENT - VI | 69 | 26.09 | 1 | 0.6 | 85.51 | 3 | 1.2 | 1.8 |
| | COMCWA3606 | COST AND WORKS ACCOUNTING- VI | 127 | 81.89 | 3 | 1.8 | 94.49 | 3 | 1.2 | 3 |
| | COMBF3606C | BANKING AND FINANCE – VI | 102 | 29.41 | 1 | 0.6 | 97.06 | 3 | 1.2 | 1.8 |
| | COMBS3606D | BUSINESS STATISTICS - VI | 68 | 61.76 | 3 | 1.8 | 88.24 | 3 | 1.2 | 3 |
| Total | | | 4392 | 1103.07 | 45 | 27 | 2018.72 | 71 | 28.4 | 55.4 |
| Average | | | 183 | 45.96 | 1.88 | 1.13 | 84.11 | 2.96 | 1.18 | 2.31 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.31 | 3 | 1.62 | 0.9 | 2.52 | 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
Post Graduate Program : M.Com. Commerce
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PCCO231 | Business Finance | 57 | 26.32 | 1 | 0.6 | 80.7 | 3 | 1.2 | 1.8 |
| | PCCO232 | Research Methodology for Business | 57 | 43.86 | 2 | 1.2 | 78.95 | 3 | 1.2 | 2.4 |
| | PCCO233 | Advanced Auditing | 57 | 31.58 | 1 | 0.6 | 89.47 | 3 | 1.2 | 1.8 |
| | PCCO234 | Specialized Areas in Auditing | 57 | 31.58 | 1 | 0.6 | 82.46 | 3 | 1.2 | 1.8 |
| | PCCOSEC1 | Skill Development-I | 57 | 94.74 | 3 | 1.8 | | | | 1.8 |
| IV | PCCO241 | Capital Markets and Financial Services | 57 | 43.86 | 2 | 1.2 | 77.19 | 3 | 1.2 | 2.4 |
| | PCCO242 | Industrial Economic Environment | 57 | 54.39 | 2 | 1.2 | 94.74 | 3 | 1.2 | 2.4 |
| | PCCO243 | Recent Trends in Accounting and Taxation | 57 | 43.86 | 2 | 1.2 | 98.25 | 3 | 1.2 | 2.4 |
| | PCCO244 | Recent Trends in Auditing | 57 | 43.86 | 2 | 1.2 | 64.91 | 3 | 1.2 | 2.4 |
| | PCCO245 | Project Work | 57 | | | | | | | 0 |
| | PCCOSEC2 | Skill Development-II | 57 | 54.39 | 2 | 1.2 | | | | 1.2 |
| Total | | | 627 | 468.44 | 18 | 10.8 | 666.67 | 24 | 9.6 | 20.4 |
| Average | | | 57 | 42.59 | 1.64 | 0.98 | 60.61 | 2.18 | 0.87 | 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 Economics
Under Graduate Program : B.A. Economics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 50 | 16 | 1 | 0.6 | 80 | 3 | 1.2 | 1.8 |
| | ECOSPL3502 | INTERNATIONAL ECONOMICS-I | 16 | 18.75 | 1 | 0.6 | 87.5 | 3 | 1.2 | 1.8 |
| | ECOSPL3503 | ELEMENTARY QUANTITATIVE TECHNIQUE-I | 16 | 12.5 | 1 | 0.6 | 81.25 | 3 | 1.2 | 1.8 |
| VI | ECOGEN3601 | ECONOMIC DEVELOPMENT AND PLANNING-II | 50 | 16 | 1 | 0.6 | 82 | 3 | 1.2 | 1.8 |
| | ECOSPL3602 | INTERNATIONAL ECONOMICS-II | 16 | 31.25 | 1 | 0.6 | 25 | 1 | 0.4 | 1 |
| | ECOSPL3603 | ELEMENTARY QUANTITATIVE TECHNIQUE-II | 16 | 62.5 | 3 | 1.8 | 18.75 | 1 | 0.4 | 2.2 |
| Total | | | 164 | 157 | 8 | 4.8 | 374.5 | 14 | 5.6 | 10.4 |
| Average | | | 27.33 | 26.17 | 1.33 | 0.8 | 62.42 | 2.33 | 0.93 | 1.73 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 1.73 | 3 | 1.21 | 0.9 | 2.11 | 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 2023 - 2024

| 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 | PAEC231 | MACRO ECONOMICS-I | 24 | 45.83 | 2 | 1.2 | 95.83 | 3 | 1.2 | 2.4 |
| | PAEC232 | ECONOMICS OF GROWTH AND DEVELOPMENT-I | 24 | 50 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PAEC233 | AGRIBUSINESS ECONOMICS-I | 24 | 41.67 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PAEC234 | RESEARCH METHODOLOGY | 24 | 50 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PAECSEC1 | COMPUTER APPLICATION-I | 24 | 100 | 3 | 1.8 | 91.67 | 3 | 1.2 | 3 |
| | PAECSEC2 | TOURISM MANAGEMENT-I | 24 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PAEC241 | MACRO ECONOMICS-II | 24 | 33.33 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PAEC242 | ECONOMICS OF GROWTH AND DEVELOPMENT-II | 24 | 37.5 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PAEC243 | AGRIBUSINESS ECONOMICS-II | 24 | 41.67 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PAEC244A | MODERN BANKING | 24 | 37.5 | 1 | 0.6 | 91.67 | 3 | 1.2 | 1.8 |
| | PAECRP | RESEARCH PROJECT | 24 | 91.67 | 3 | 1.8 | 95.83 | 3 | 1.2 | 3 |
| | PAECSEC3 | COMPUTER APPLICATION-II | 24 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAECSEC4 | TOURISM MANAGEMENT-II | 24 | 95.83 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 312 | 825 | 28 | 16.8 | 1275 | 39 | 15.6 | 32.4 |
| Average | | | 24 | 63.46 | 2.15 | 1.29 | 98.08 | 3 | 1.2 | 2.49 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.49 | 3 | 1.74 | 0.9 | 2.64 | 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 2023 - 2024

| 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 | PSEL231 | ADVANCED COMMUNICATION ELECTRONICS | 14 | 14.29 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PSEL232 | ADVANCED EMBEDDED SYSTEMS | 14 | 14.29 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PSEL233 | DIGITAL SIGNAL PROCESSING | 14 | 7.14 | 1 | 0.6 | 71.43 | 3 | 1.2 | 1.8 |
| | PSEL234 | PROGRAMMABLE LOGIC CONTROLLERS AND SUPERVISORY CONTROL AND DATA ACQUISITION | 14 | 28.57 | 1 | 0.6 | 71.43 | 3 | 1.2 | 1.8 |
| | PSEL235 | PRACTICAL PAPER-V | 14 | 92.86 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSEL236 | PRACTICAL PAPER-VI | 14 | 71.43 | 3 | 1.8 | 71.43 | 3 | 1.2 | 3 |
| IV | PSEL241 | CONTROL SYSTEM | 14 | 28.57 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PSEL242 | ADVANCED POWER ELECTRONICS | 14 | | | | 100 | 3 | 1.2 | 1.2 |
| | PSEL243 | FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE | 14 | 21.43 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PSEL244 | WIRELESS SENSOR NETWORK | 14 | 21.43 | 1 | 0.6 | 92.86 | 3 | 1.2 | 1.8 |
| | PSEL245 | PROJECT | 14 | 64.29 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 154 | 364.3 | 16 | 9.6 | 1007.15 | 33 | 13.2 | 22.8 |
| Average | | | 14 | 33.12 | 1.45 | 0.87 | 91.56 | 3 | 1.2 | 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 English
Under Graduate Program : B.A. English
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 157 | 3.82 | 1 | 0.6 | 43.31 | 2 | 0.8 | 1.4 |
| | ENGGEN3502 | ADVANCED STUDY OF ENGLISH LANGUAGE AND LITERATURE | 5 | 60 | 3 | 1.8 | 40 | 2 | 0.8 | 2.6 |
| | ENGSP3503 | APPRECIATING NOVEL | 4 | 50 | 2 | 1.2 | 75 | 3 | 1.2 | 2.4 |
| | ENGSP3504 | INTRODUCTION TO LITERARY CRITICISM | 4 | 50 | 2 | 1.2 | 50 | 2 | 0.8 | 2 |
| VI | ENGCO3601 | COMPULSORY ENGLISH | 157 | 7.01 | 1 | 0.6 | 74.52 | 3 | 1.2 | 1.8 |
| | ENGGE3602 | ADVANCED STUDY OF ENGLISH LANGUAGE AND LITERATURE | 5 | 60 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | ENGSP3603 | APPRECIATING NOVEL | 4 | 50 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | ENGSP3604 | INTRODUCTION TO LITERARY CRITICISM | 4 | 50 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| Total | | | 340 | 330.83 | 16 | 9.6 | 582.83 | 21 | 8.4 | 18 |
| Average | | | 42.5 | 41.35 | 2 | 1.2 | 72.85 | 2.62 | 1.05 | 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 English
Post Graduate Program : M.A.English
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PAEN231 | INDIAN WRITINGS IN ENGLISH-I | 11 | 45.45 | 2 | 1.2 | 90.91 | 3 | 1.2 | 2.4 |
| | PAEN232 | ENGLISH LANGUAGE AND LITERATURE TEACHING-I | 11 | 63.64 | 3 | 1.8 | 54.55 | 2 | 0.8 | 2.6 |
| | PAEN233 | DRAMA IN ENGLISH-I | 11 | 36.36 | 1 | 0.6 | 63.64 | 3 | 1.2 | 1.8 |
| | PAEN234 | AMERICAN LITERATURE-I | 11 | 45.45 | 2 | 1.2 | 90.91 | 3 | 1.2 | 2.4 |
| | PAENSEC1 | RESEARCH METHODOLOGY IN ENGLISH-I | 11 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAENSEC2 | RESEARCH METHODOLOGY IN ENGLISH-II | 11 | 81.82 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PAEN241 | INDIAN WRITINGS IN ENGLISH-II | 11 | 72.73 | 3 | 1.8 | 63.64 | 3 | 1.2 | 3 |
| | PAEN242 | ENGLISH LANGUAGE AND LITERATURE TEACHING-II | 11 | 81.82 | 3 | 1.8 | 72.73 | 3 | 1.2 | 3 |
| | PAEN243 | DRAMA IN ENGLISH-II | 11 | 18.18 | 1 | 0.6 | 90.91 | 3 | 1.2 | 1.8 |
| | PAEN244 | AMERICAN LITERATURE-II | 11 | 54.55 | 2 | 1.2 | 54.55 | 2 | 0.8 | 2 |
| | PAENRP | RESEARCH PROJECT | 11 | 45.45 | 2 | 1.2 | 72.73 | 3 | 1.2 | 2.4 |
| | PAENSEC3 | RESEARCH METHODOLOGY IN ENGLISH-III | 11 | 90.91 | 3 | 1.8 | 81.82 | 3 | 1.2 | 3 |
| | PAENSEC4 | RESEARCH METHODOLOGY IN ENGLISH-IV | 11 | 72.73 | 3 | 1.8 | 45.45 | 2 | 0.8 | 2.6 |
| Total | | | 143 | 809.09 | 31 | 18.6 | 981.84 | 36 | 14.4 | 33 |
| Average | | | 11 | 62.24 | 2.38 | 1.43 | 75.53 | 2.77 | 1.11 | 2.54 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.54 | 3 | 1.78 | 0.9 | 2.68 | 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 Geography
Under Graduate Program : B.A. Geography
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 55 | 69.09 | 3 | 1.8 | 76.36 | 3 | 1.2 | 3 |
| | GEOSPL3502 | PHYSICAL GEOGRAPHY OF INDIA | 21 | 38.1 | 1 | 0.6 | 85.71 | 3 | 1.2 | 1.8 |
| | GEOSPL3503 | PRACTICAL IN MAP READING AND MAP MAKING | 21 | 85.71 | 3 | 1.8 | 90.48 | 3 | 1.2 | 3 |
| VI | GEOGEN3601 | GEOGRAPHY OF TOURISM-II | 55 | 56.36 | 2 | 1.2 | 72.73 | 3 | 1.2 | 2.4 |
| | GEOSPL3602 | HUMAN GEOGRAPHY OF INDIA | 21 | 52.38 | 2 | 1.2 | 80.95 | 3 | 1.2 | 2.4 |
| | GEOSPL3603 | PRACTICAL IN STATISTICAL TECHNIQUES | 21 | 100 | 3 | 1.8 | 90.48 | 3 | 1.2 | 3 |
| Total | | | 194 | 401.64 | 14 | 8.4 | 496.71 | 18 | 7.2 | 15.6 |
| Average | | | 32.33 | 66.94 | 2.33 | 1.4 | 82.79 | 3 | 1.2 | 2.6 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.6 | 3 | 1.82 | 0.9 | 2.72 | 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 Geography
Post Graduate Program : M.A. Geography
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PAGG231 | GEO INFORMATICS-II | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGG232 | RESEARCH METHODOLOGY | 4 | 75 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGG233 | AGRO METEOROLOGY | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGG234 | PRACTICAL IN GIS | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGG235 | WATERSHED MANAGEMENT | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGG236B | PRACTICAL IN CLIMATOLOGY | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGGSEC1 | ADVANCED TECHNIQUES IN GOOGLE EARTH | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PAGG241 | GEOGRAPHY OF INDIA | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGG242 | OCEANOGRAPHY | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGG243 | GEOGRAPHICAL THOUGHTS | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGG244 | GEOGRAPHY OF SOILS | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGG245 | PRACTICAL IN REMOTE SENSING | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAGG246 | DISSERTATION | 4 | 100 | 3 | 1.8 | | | | 1.8 |
| | PAGGSEC2 | ADVANCED TECHNIQUES IN GOOGLE MAP | 4 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 56 | 1375 | 42 | 25.2 | 1300 | 39 | 15.6 | 40.8 |
| Average | | | 4 | 98.21 | 3 | 1.8 | 92.86 | 2.79 | 1.11 | 2.91 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.91 | 3 | 2.04 | 0.9 | 2.94 | 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 2023 - 2024

| 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 | 18 | 22.22 | 1 | 0.6 | 94.44 | 3 | 1.2 | 1.8 |
| | HINSPL3502 | HINDI SAHITYA KA ITIHAS | 6 | 16.67 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | HINSPL3503 | HINDI BHASHA KA VIKAS | 6 | 66.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | HINGEN3601 | HINDI SAMANYA | 18 | 50 | 2 | 1.2 | 94.44 | 3 | 1.2 | 2.4 |
| | HINSPL3602 | HINDI SAHITYA KA ITIHAS | 6 | | | | 100 | 3 | 1.2 | 1.2 |
| | HINSPL3603 | HINDI BHASHA KA VIKAS | 6 | 33.33 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| Total | | | 60 | 188.89 | 8 | 4.8 | 588.88 | 18 | 7.2 | 12 |
| Average | | | 10 | 31.48 | 1.33 | 0.8 | 98.15 | 3 | 1.2 | 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 | 3 | 1.4 | 0.9 | 2.3 | 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 2023 - 2024

| 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 | PAHN231 | ADHUNIK KAVYA-1 | 6 | 83.33 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHN232 | BHASHA VIDNYAN | 6 | 83.33 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHN233 | HINDI SAHITYA KA ITIHAS | 6 | 83.33 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHN234 | ADHUNIK HINDI ALOCHANA | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHNSEC1 | ANUVAD: SWAROOP EVAM VYAVAHAR | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHNSEC2 | NIVEDAN KAUSHALY : SWARUP EVAM VYAVHAR | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PAHN241 | VISHESH STAR: ADHUNIK KAVYA-2 | 6 | 83.33 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHN242 | VISHESH STAR: BHASHA VIDNYAN | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHN243 | VISHESH STAR: HINDI SAHITYA KA ITIHAS (ADHUNIK KAL) | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHN244A | VISHESH STAR: VAIKALPIK : LOKSAHITYA | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHNRP | RESERCH PROJECT | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHNSEC3 | ANUVAD: PRATYAKSH VYAVHAR | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHNSEC4 | NIVEDAN KAUSHAL: PRATYAKSH VYAVHAR | 6 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 78 | 1233.32 | 39 | 23.4 | 1300 | 39 | 15.6 | 39 |
| Average | | | 6 | 94.87 | 3 | 1.8 | 100 | 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 History
Under Graduate Program : B.A. History
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 64 | 3.12 | 1 | 0.6 | 79.69 | 3 | 1.2 | 1.8 |
| | HISPL3502 | INTRODUCTION TO HISTORY PART I | 16 | 12.5 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | HISPL3503 | HISTORY OF ASIA IN 20TH CENTURY (1914-1992) PART I | 16 | 43.75 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| VI | HISGEN3601 | HISTORY OF THE WORLD IN 20TH CENTURY (1914-1992) PART II | 64 | 14.06 | 1 | 0.6 | 78.12 | 3 | 1.2 | 1.8 |
| | HISPL3602 | INTRODUCTION TO HISTORY PART II | 16 | | | | 100 | 3 | 1.2 | 1.2 |
| | HISPL3603 | HISTORY OF ASIA IN 20TH CENTURY (1914-1992) PART II | 16 | 37.5 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| Total | | | 192 | 110.93 | 6 | 3.6 | 557.81 | 18 | 7.2 | 10.8 |
| Average | | | 32 | 18.49 | 1 | 0.6 | 92.97 | 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 History
Post Graduate Program : M.A. History
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PAHS231 | BRITISH ADMINISTRATIVE POLICIES IN INDIA | 21 | 42.86 | 2 | 1.2 | 52.38 | 2 | 0.8 | 2 |
| | PAHS232 | INTELLECTUAL HISTORY OF MODERN WORLD | 21 | 33.33 | 1 | 0.6 | 38.1 | 1 | 0.4 | 1 |
| | PAHS233 | ECONOMIC HISTORY OF THE MODERN INDIA | 21 | 42.86 | 2 | 1.2 | 33.33 | 1 | 0.4 | 1.6 |
| | PAHS234 | ANCIENT AND MEDIEVAL CIVILIZATION OF THE WORLD | 21 | 28.57 | 1 | 0.6 | 95.24 | 3 | 1.2 | 1.8 |
| | PAHSSEC1 | RESEARCH PAPER WRITING | 21 | 71.43 | 3 | 1.8 | 76.19 | 3 | 1.2 | 3 |
| | PAHSSEC2 | Yoga : History and Practice | 21 | 47.62 | 2 | 1.2 | 52.38 | 2 | 0.8 | 2 |
| IV | PAHS241 | MODERN MAHARASHTRA : A HISTORY OF IDEAS (1818-1960) | 21 | 23.81 | 1 | 0.6 | 76.19 | 3 | 1.2 | 1.8 |
| | PAHS242 | DEBATES IN INDIAN HISTORIOGRAPHY | 21 | 19.05 | 1 | 0.6 | 52.38 | 2 | 0.8 | 1.4 |
| | PAHS243 | WORLD AFTER WORLD WAR-II (1945-2000) | 21 | 19.05 | 1 | 0.6 | 52.38 | 2 | 0.8 | 1.4 |
| | PAHS244 | HISTORY OF MODERN INDIA (1857-1971) | 21 | 28.57 | 1 | 0.6 | 57.14 | 2 | 0.8 | 1.4 |
| | PAHSRP | RESEARCH PROJECT | 21 | 95.24 | 3 | 1.8 | 52.38 | 2 | 0.8 | 2.6 |
| | PAHSSEC3 | SOUTH INDIAN ART AND ARCHITECTURE | 20 | 95 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAHSSEC4 | ARCHEOLOGY | 20 | 90 | 3 | 1.8 | 85 | 3 | 1.2 | 3 |
| Total | | | 271 | 637.39 | 24 | 14.4 | 823.09 | 29 | 11.6 | 26 |
| Average | | | 20.85 | 49.03 | 1.85 | 1.11 | 63.31 | 2.23 | 0.89 | 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 | 3 | 1.4 | 0.9 | 2.3 | 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 2023 - 2024

| 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 | 52 | 26.92 | 1 | 0.6 | 88.46 | 3 | 1.2 | 1.8 |
| | MARSPL3502 | SAHITYAVICHAR | 10 | 30 | 1 | 0.6 | 60 | 3 | 1.2 | 1.8 |
| | MARSPL3503 | MARATHICHA BHASHIK ABHYAS (ETIHASIK) | 10 | 50 | 2 | 1.2 | 40 | 2 | 0.8 | 2 |
| VI | MARGEN3601 | ADHUNIK MARATHI SAHITYA PRAKARANCHA ABHYAS | 52 | 76.92 | 3 | 1.8 | 88.46 | 3 | 1.2 | 3 |
| | MARSPL3602 | SAHITYAVICHAR | 10 | 10 | 1 | 0.6 | 60 | 3 | 1.2 | 1.8 |
| | MARSPL3603 | MARATHICHA BHASHIK ABHYAS (ETIHASIK) | 10 | 70 | 3 | 1.8 | 60 | 3 | 1.2 | 3 |
| Total | | | 144 | 263.84 | 11 | 6.6 | 396.92 | 17 | 6.8 | 13.4 |
| Average | | | 24 | 43.97 | 1.83 | 1.1 | 66.15 | 2.83 | 1.13 | 2.23 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.23 | 3 | 1.56 | 0.9 | 2.46 | 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
Post Graduate Program : M.A. Marathi
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PAMR231 | PRASARMADHAYME ANI SAHITAVYAVAHAR | 12 | 66.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAMR232 | SAHITYA: SAMIKSHA VA SANSHODHAN | 12 | 83.33 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAMR233 | VISHESH LEKHAKACHA ABHYAS (AADHUNIK) LEKHAK: DR. SADANAND DESHMUKH | 12 | 75 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAMR234 | VAICHARIK SAHITYA | 12 | 75 | 3 | 1.8 | 91.67 | 3 | 1.2 | 3 |
| | PAMRSEC1 | BHASHA AAVISHKARACHI RUPE-1 | 12 | 58.33 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PAMRSEC2 | KATHA LEKHAN KUSHALYA-1 | 12 | 41.67 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| IV | PAMR241 | PRASARMADHAYME ANI SAHITAVYAVAHAR | 12 | 66.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAMR242 | SAHITYA SAMIKSHA VA SANSHODHAN | 12 | 75 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAMR243 | VISHESH LEKHAKACHA ABHYAS (AADHUNIK) : DR. SADANAND DESHMUKH | 12 | 91.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAMR244 | SAHITYACHA SAMAJIK DRUSTINE ABHYAS | 12 | 83.33 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAMRRP | RESEARCH PROJECT | 12 | 58.33 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PAMRSEC3 | BHASHA AAVISHKARACHI RUPE-2 | 12 | 91.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAMRSEC4 | KATHA LEKHAN KUSHALYA-2 | 12 | 75 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 156 | 941.67 | 36 | 21.6 | 1291.67 | 39 | 15.6 | 37.2 |
| Average | | | 12 | 72.44 | 2.77 | 1.66 | 99.36 | 3 | 1.2 | 2.86 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.86 | 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 Mathematics
Under Graduate Program : B.Sc. Mathematics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 5 | 40 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | MAT3502 | REAL ANALYSIS I | 5 | 80 | 3 | 1.8 | 80 | 3 | 1.2 | 3 |
| | MAT3503 | GROUP THEORY | 5 | 100 | 3 | 1.8 | 80 | 3 | 1.2 | 3 |
| | MAT3504 | ORDINARY DIFFERENTIAL EQUATION | 5 | 80 | 3 | 1.8 | 80 | 3 | 1.2 | 3 |
| | MAT3505 | OPERATION RESEARCH | 5 | 60 | 3 | 1.8 | 80 | 3 | 1.2 | 3 |
| | MAT3506 | NUMBER THEORY | 5 | 40 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | MAT3507 | MATHEMATICS PRACTICAL - I | 5 | 60 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MAT3508 | MATHEMATICS PRACTICAL – II | 5 | 80 | 3 | 1.8 | 80 | 3 | 1.2 | 3 |
| | MAT3509 | MATHEMATICS PRACTICAL - III | 5 | 80 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | MAT3601 | COMPLEX ANALYSIS | 5 | 80 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MAT3602 | REAL ANALYSIS II | 5 | 80 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MAT3603 | RING THEORY | 5 | 80 | 3 | 1.8 | 80 | 3 | 1.2 | 3 |
| | MAT3604 | PARTIAL DIFFERENTIAL EQUATION | 5 | 80 | 3 | 1.8 | 80 | 3 | 1.2 | 3 |
| | MAT3605 | OPTIMIZATION TECHNIQUES | 5 | 80 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MAT3606 | LEBESGUE INTEGRATION | 5 | 80 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MAT3607 | MATHEMATICS PRACTICAL - I | 5 | 80 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MAT3608 | MATHEMATICS PRACTICAL – II | 5 | 80 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MAT3609 | PROJECT | 5 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|----------------|-----------|--------------|-------------|-------------|--------------|-----------|-------------|-------------|
| | Total | 90 | 1360 | 52 | 31.2 | 1660 | 54 | 21.6 | 52.8 |
| | Average | 5 | 75.56 | 2.89 | 1.73 | 92.22 | 3 | 1.2 | 2.93 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.93 | 3 | 2.05 | 0.9 | 2.95 | 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 2023 - 2024

| 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 | PSMT231 | COMBINATORICS | 15 | 33.33 | 1 | 0.6 | 73.33 | 3 | 1.2 | 1.8 |
| | PSMT232 | FIELD THEORY | 15 | 26.67 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PSMT233 | FUNCTIONAL ANALYSIS | 15 | 40 | 2 | 1.2 | 60 | 3 | 1.2 | 2.4 |
| | PSMT234 | INTEGRAL EQUATIONS | 15 | 46.67 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PSMT235B | GRAPH THEORY | 15 | 46.67 | 2 | 1.2 | 93.33 | 3 | 1.2 | 2.4 |
| | PSMT236 | PRACTICAL : PAYTHON | 15 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PSMT241 | NUMBER THEORY | 15 | 73.33 | 3 | 1.8 | 73.33 | 3 | 1.2 | 3 |
| | PSMT242 | DIFFERENTIAL GEOMETRY | 15 | 80 | 3 | 1.8 | 73.33 | 3 | 1.2 | 3 |
| | PSMT243 | FOURIER ANALYSIS | 15 | 80 | 3 | 1.8 | 46.67 | 2 | 0.8 | 2.6 |
| | PSMT244 | LATTICE THEORY | 15 | 73.33 | 3 | 1.8 | 60 | 3 | 1.2 | 3 |
| | PSMT245B | CRYPTOGRAPHY | 15 | 80 | 3 | 1.8 | 60 | 3 | 1.2 | 3 |
| | PSMT246 | PROJECT | 15 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 180 | 780 | 29 | 17.4 | 939.99 | 35 | 14 | 31.4 |
| Average | | | 15 | 65 | 2.42 | 1.45 | 78.33 | 2.92 | 1.17 | 2.62 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.62 | 3 | 1.83 | 0.9 | 2.73 | 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 2023 - 2024

| 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 | 33 | 18.18 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | MICRO3502 | GENETICS AND MOLECULAR BIOLOGY- I | 33 | 54.55 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | MICRO3503 | ENZYMOLGY | 33 | 33.33 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | MICRO3504 | IMMUNOLOGY – I | 33 | 9.09 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | MICRO3505 | FERMENTATION TECHNOLOGY-I | 33 | 51.52 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | MICRO3506 | FOOD AND DAIRY MICROBIOLOGY | 33 | 27.27 | 1 | 0.6 | 90.91 | 3 | 1.2 | 1.8 |
| | MICRO3507 | MICROBIOLOGY PRACTICAL - I | 33 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MICRO3508 | MICROBIOLOGY PRACTICAL - II | 33 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MICRO3509 | MICROBIOLOGY PRACTICAL - III | 33 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | MICRO3601 | MEDICAL MICROBIOLOGY-II | 33 | 45.45 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | MICRO3602 | GENETICS AND MOLECULAR BIOLOGY- II | 33 | 39.39 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | MICRO3603 | METABOLISM | 33 | 12.12 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | MICRO3604 | IMMUNOLOGY – II | 33 | 15.15 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | MICRO3605 | FERMENTATION TECHNOLOGY-II | 33 | 42.42 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | MICRO3606 | AGRICULTURAL AND ENVIRONMENTAL MICROBIOLOGY | 33 | 18.18 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | MICRO3607 | MICROBIOLOGY PRACTICAL - IV | 33 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MICRO3608 | MICROBIOLOGY PRACTICAL - V | 33 | 93.94 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | MICRO3609 | PROJECT | 33 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|----------------|------------|---------------|-------------|-------------|---------------|-----------|-------------|-------------|
| | Total | 594 | 960.59 | 34 | 20.4 | 790.91 | 54 | 21.6 | 42 |
| | Average | 33 | 53.37 | 1.89 | 1.13 | 99.49 | 3 | 1.2 | 2.33 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.33 | 3 | 1.63 | 0.9 | 2.53 | 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 2023 - 2024

| 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 | PSMB231 | IMMUNOLOGY | 40 | 20 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PSMB232 | MOLECULAR BIOLOGY-I | 40 | 20 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PSMB233 | INDUSTRIAL WASTE WATER TREATMENT | 40 | 47.5 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PSMB234A | BIOPHYSICAL TECHNIQUES | 40 | 17.5 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PSMB235 | PRACTICAL COURSE BASED ON IMMUNOLOGY, PHARMACEUTICAL MICROBIOLOGY AND INDUSTRIAL WASTE WATER TREATMENT | 40 | 95 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSMB236 | PRACTICAL COURSE BASED ON MOLECULAR BIOLOGY AND MICROBIAL TECHNOLOGY | 40 | 97.5 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PSMB241 | PHARMACEUTICAL MICROBIOLOGY | 40 | 17.5 | 1 | 0.6 | 97.5 | 3 | 1.2 | 1.8 |
| | PSMB242 | MOLECULAR BIOLOGY-II | 40 | 37.5 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PSMB243 | MICROBIAL TECHNOLOGY | 40 | 65 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSMB244A | MEDICAL MICROBIOLOGY | 40 | 62.5 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSMB245 | RESEARCH PROJECT - DISSERTATION-I | 40 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSMB246 | RESEARCH PROJECT - DISSERTATION-II | 40 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 480 | 680 | 25 | 15 | 1197.5 | 36 | 14.4 | 29.4 |
| Average | | | 40 | 56.67 | 2.08 | 1.25 | 99.79 | 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 Physics
Under Graduate Program : B.Sc. Physics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 22 | 4.55 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PHY3502 | CLASSICAL MECHANICS | 22 | 22.73 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PHY3503 | OPTICS | 22 | 4.55 | 1 | 0.6 | 81.82 | 3 | 1.2 | 1.8 |
| | PHY3504 | SOLID STATE PHYSICS | 22 | 13.64 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PHY3505 | ATOMIC AND MOLECULAR PHYSICS | 22 | 22.73 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PHY3506A | ELEMENTS OF MATERIAL SCIENCE | 11 | 54.55 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PHY3506B | RENEWABLE ENERGY SOURCES | 11 | 72.73 | 3 | 1.8 | 72.73 | 3 | 1.2 | 3 |
| | PHY3507 | PHYSICS PRACTICAL -I | 22 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PHY3508 | PHYSICS PRACTICAL -II | 22 | 95.45 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PHY3509 | PHYSICS PROJECT -I | 22 | 95.45 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| VI | PHY3601 | ELECTRODYNAMICS | 22 | 18.18 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PHY3602 | QUANTUM MECHANICS | 22 | 36.36 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PHY3603 | STATISTICAL PHYSICS | 22 | 22.73 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PHY3604 | NUCLEAR PHYSICS | 22 | 27.27 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PHY3605(A) | ELECTRONICS II | 19 | 10.53 | 1 | 0.6 | 94.74 | 3 | 1.2 | 1.8 |
| | PHY3605(B) | ADVANCED ELECTRONICS | 3 | 33.33 | 1 | 0.6 | 100 | 3 | 1.2 | 1.8 |
| | PHY3606(A) | PHYSICS OF NANOMATERIALS | 11 | 54.55 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PHY3606(B) | SOLAR ENERGY CONVERSION DEVICES | 11 | 54.55 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| | PHY3607 | PHYSICS PRACTICAL -III | 22 | 77.27 | 3 | 1.8 | 86.36 | 3 | 1.2 | 3 |

| | | | | | | | | | | |
|---------|---------|-----------------------|-------|--------|------|------|---------|----|------|------|
| VI | PHY3608 | PHYSICS PRACTICAL -IV | 22 | 95.45 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PHY3609 | PHYSICS PROJECT - II | 22 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 396 | 1016.6 | 38 | 22.8 | 2035.65 | 63 | 25.2 | 48 |
| Average | | | 18.86 | 48.41 | 1.81 | 1.09 | 96.94 | 3 | 1.2 | 2.29 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.29 | 3 | 1.6 | 0.9 | 2.5 | 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 2023 - 2024

| 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 | PSPH231 | STATISTICAL PHYSICS | 7 | 71.43 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSPH232 | SOLID STATE PHYSICS | 7 | 85.71 | 3 | 1.8 | 85.71 | 3 | 1.2 | 3 |
| | PSPH233 | EXPERIMENTAL TECHNIQUES IN PHYSICS-I | 7 | 71.43 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSPH234D | PHYSICS OF THIN FILMS-I | 7 | 71.43 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSPH235 | SPECIAL LAB-I | 7 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSPH236 | SPECIAL LAB-II PHYSICS PROGRAMMING USING PYTHON | 7 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| IV | PSPH241 | NUCLEAR AND PARTICLE PHYSICS | 7 | 85.71 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSPH242 | MATERIAL SCIENCE | 7 | 85.71 | 3 | 1.8 | 71.43 | 3 | 1.2 | 3 |
| | PSPH243 | EXPERIMENTAL TECHNIQUES IN PHYSICS-II | 7 | 57.14 | 2 | 1.2 | 71.43 | 3 | 1.2 | 2.4 |
| | PSPH244D | PHYSICS OF THIN FILMS-II | 7 | 71.43 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSPH245 | SPECIAL LAB-III | 7 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PSPH246 | RESEARCH PROJECT | 7 | 100 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| Total | | | 84 | 999.99 | 35 | 21 | 1128.57 | 36 | 14.4 | 35.4 |
| Average | | | 7 | 83.33 | 2.92 | 1.75 | 94.05 | 3 | 1.2 | 2.95 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.95 | 3 | 2.06 | 0.9 | 2.96 | 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
Under Graduate Program : B.A. Politics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | 52 | 11.54 | 1 | 0.6 | 88.46 | 3 | 1.2 | 1.8 |
| | POLSPL3502 | PUBLIC ADMINISTRATION | 17 | 23.53 | 1 | 0.6 | 88.24 | 3 | 1.2 | 1.8 |
| | POLSPL3503 | INTERNATIONAL POLITICS | 17 | 23.53 | 1 | 0.6 | 82.35 | 3 | 1.2 | 1.8 |
| VI | POLGEN 3601 | POLITICAL IDEOLOGIES | 52 | 21.15 | 1 | 0.6 | 80.77 | 3 | 1.2 | 1.8 |
| | POLSPL 3602 | PUBLIC ADMINISTRATION | 17 | 17.65 | 1 | 0.6 | 88.24 | 3 | 1.2 | 1.8 |
| | POLSPL 3603 | INTERNATIONAL POLITICS | 17 | 5.88 | 1 | 0.6 | 82.35 | 3 | 1.2 | 1.8 |
| Total | | | 172 | 103.28 | 6 | 3.6 | 510.41 | 18 | 7.2 | 10.8 |
| Average | | | 28.67 | 17.21 | 1 | 0.6 | 85.07 | 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 Politics
Post Graduate Program : M.A. Politics
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PAPO231 | POLITICAL THEORY | 28 | 35.71 | 1 | 0.6 | 53.57 | 2 | 0.8 | 1.4 |
| | PAPO232 | POLITICAL SOCIOLOGY | 28 | 25 | 1 | 0.6 | 46.43 | 2 | 0.8 | 1.4 |
| | PAPO233 | ISSUES IN WORLD POLITICS | 28 | 35.71 | 1 | 0.6 | 53.57 | 2 | 0.8 | 1.4 |
| | PAPO234 | INDIAN ADMINISTRATION | 28 | 32.14 | 1 | 0.6 | 46.43 | 2 | 0.8 | 1.4 |
| | PAPOSEC1 | ACTIVE CITIZENSHIP | 28 | 78.57 | 3 | 1.8 | 89.29 | 3 | 1.2 | 3 |
| | PAPOSEC2 | QUANTITATIVE RESEARCH METHODS AND DATA ANALYSIS | 28 | 85.71 | 3 | 1.8 | 82.14 | 3 | 1.2 | 3 |
| IV | PAPO241 | POLITICAL THINKING IN MODERN INDIA | 28 | 28.57 | 1 | 0.6 | 67.86 | 3 | 1.2 | 1.8 |
| | PAPO242 | POLITICAL PROCESS IN INDIA | 28 | 42.86 | 2 | 1.2 | 64.29 | 3 | 1.2 | 2.4 |
| | PAPO243 | POLITICAL PARTICIPATION | 28 | 46.43 | 2 | 1.2 | 32.14 | 1 | 0.4 | 1.6 |
| | PAPO244 | PARTY SYSTEM IN INDIA | 28 | 60.71 | 3 | 1.8 | 75 | 3 | 1.2 | 3 |
| | PAPORP | RESEARCH PROJECT | 28 | 96.43 | 3 | 1.8 | 75 | 3 | 1.2 | 3 |
| | PAPOSEC3 | POLITICAL LEADERSHIP DEVELOPMENT | 28 | 64.29 | 3 | 1.8 | 82.14 | 3 | 1.2 | 3 |
| | PAPOSEC4 | QUANTITATIVE RESEARCH METHODS AND DATA ANALYSIS | 28 | 92.86 | 3 | 1.8 | 89.29 | 3 | 1.2 | 3 |
| Total | | | 364 | 724.99 | 27 | 16.2 | 857.15 | 33 | 13.2 | 29.4 |
| Average | | | 28 | 55.77 | 2.08 | 1.25 | 65.93 | 2.54 | 1.02 | 2.26 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.26 | 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 Psychology
Under Graduate Program : B.A. Psychology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | APPLIED PSYCHOLOGY -I | 21 | 14.29 | 1 | 0.6 | 28.57 | 1 | 0.4 | 1 |
| | PSYSPL3502 | PSYCHOLOGICAL RESEARCH | 15 | 6.67 | 1 | 0.6 | 86.67 | 3 | 1.2 | 1.8 |
| | PSYSPL3503 | PSYCHOLOGY PRACTICAL: TEST | 15 | 86.67 | 3 | 1.8 | 80 | 3 | 1.2 | 3 |
| VI | PSYGEN3601 | APPLIED PSYCHOLOGY-II | 21 | 47.62 | 2 | 1.2 | 61.9 | 3 | 1.2 | 2.4 |
| | PSYSPL3602 | EXPERIMENTAL PSYCHOLOGY | 15 | 13.33 | 1 | 0.6 | 86.67 | 3 | 1.2 | 1.8 |
| | PSYSPL3603 | PSYCHOLOGY PRACTICAL: EXPERIMENTS | 15 | 86.67 | 3 | 1.8 | 66.67 | 3 | 1.2 | 3 |
| Total | | | 102 | 255.25 | 11 | 6.6 | 410.48 | 16 | 6.4 | 13 |
| Average | | | 17 | 42.54 | 1.83 | 1.1 | 68.41 | 2.67 | 1.07 | 2.17 |



| 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 |
|-------------------------------------|---------------------------------------|--|---|---------|------------------|
| 2.17 | 3 | 1.52 | 0.9 | 2.42 | 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 Psychology
Post Graduate Program : M.A. Psychology
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

| 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 | PAPS231 | PERSONALITY | 9 | 22.22 | 1 | 0.6 | 66.67 | 3 | 1.2 | 1.8 |
| | PAPS232 | PSYCHOPATHOLOGY-I | 9 | 88.89 | 3 | 1.8 | 66.67 | 3 | 1.2 | 3 |
| | PAPS233 | PSYCHO-DIAGNOSTICS | 9 | 44.44 | 2 | 1.2 | 66.67 | 3 | 1.2 | 2.4 |
| | PAPS234 | PSYCHOLOGY PRACTICAL : PROJECT | 9 | 22.22 | 1 | 0.6 | 77.78 | 3 | 1.2 | 1.8 |
| | PAPSSEC1 | ADVANCED SKILLS AND PROCESSES IN COUNSELING | 9 | 66.67 | 3 | 1.8 | 100 | 3 | 1.2 | 3 |
| | PAPSSEC2 | CBT AND REBT BASICS AND APPLICATIONS | 9 | 55.56 | 2 | 1.2 | 100 | 3 | 1.2 | 2.4 |
| IV | PAPS241 | MOTIVATION AND EMOTION | 9 | 22.22 | 1 | 0.6 | 77.78 | 3 | 1.2 | 1.8 |
| | PAPS242 | PSYCHOPATHOLOGY-II | 9 | 77.78 | 3 | 1.8 | 77.78 | 3 | 1.2 | 3 |
| | PAPS243 | PSYCHOTHERAPIES | 9 | 44.44 | 2 | 1.2 | 77.78 | 3 | 1.2 | 2.4 |
| | PAPS244 | PSYCHOLOGY PRACTICAL - PRACTICUM | 9 | 44.44 | 2 | 1.2 | 77.78 | 3 | 1.2 | 2.4 |
| | PAPSRP | RESEARCH PROJECT | 9 | 44.44 | 2 | 1.2 | 66.67 | 3 | 1.2 | 2.4 |
| | PAPSSEC3 | COMMUNICATION & ENHANCING PERSONALITY | 9 | 55.56 | 2 | 1.2 | 77.78 | 3 | 1.2 | 2.4 |
| | PAPSSEC4 | PSYCHOLOGICAL FIRST AID | 9 | 55.56 | 2 | 1.2 | 77.78 | 3 | 1.2 | 2.4 |
| Total | | | 117 | 644.44 | 26 | 15.6 | 1011.14 | 39 | 15.6 | 31.2 |
| Average | | | 9 | 49.57 | 2 | 1.2 | 77.78 | 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 |

