

**Kongunadu Arts and Science College (Autonomous)**  
**Coimbatore 641 029**  
**Attainment of Programme Outcomes**

**PG Programmes**

Department: Mathematics (UA)  
 Course: Topology (20PMA309)

Academic year: 2021-2022 (ODD)

| <b>Class Strength=18</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 50           | 50           | 50         |
| Target %                     | 75           | 75           | 75         |
| No. of students scored <50   | 7            | 7            | -          |
| No. of students scored 50-69 | 5            | 5            | 2          |
| No. of students scored 70-79 | 2            | -            | 8          |
| No. of students scored ≥80   | 4            | 2            | 8          |

Course: Functional Analysis (20PMA310)

| <b>Class Strength=18</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 50           | 50           | 50         |
| Target %                     | 70           | 70           | 70         |
| No. of students scored <50   | 11           | 8            | -          |
| No. of students scored 50-69 | 1            | 4            | 1          |
| No. of students scored 70-79 | 2            | 2            | -          |
| No. of students scored ≥80   | 4            | 3            | 17         |

Course: Mathematical Statistics (20PMA311)

| <b>Class Strength=18</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 50           | 50           | 5          |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <50   | 9            | 1            | -          |
| No. of students scored 50-69 | 6            | 10           | 1          |
| No. of students scored 70-79 | 2            | 6            | 4          |
| No. of students scored ≥80   | -            | -            | 13         |

Course: Graph Theory (20PMA3E1)

| <b>Class Strength=18</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 50           | 50           | 50         |
| Target %                     | 85           | 85           | 85         |
| No. of students scored <50   | 6            | -            | -          |
| No. of students scored 50-69 | 7            | 1            | -          |
| No. of students scored 70-79 | 1            | 4            | 1          |
| No. of students scored ≥80   | 4            | 13           | 17         |

Course: Research Methodology (20PMA3X1)

| <b>Class Strength=18</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 50           | 50           | 50         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <50   | 3            | -            | -          |
| No. of students scored 50-69 | 5            | 2            | -          |
| No. of students scored 70-79 | 8            | 2            | -          |
| No. of students scored >=80  | 9            | 19           | 24         |

## Final Programme Outcome Attainment

| Course                                | CIA 1<br>Target | CIA2<br>Target | POA % = 25<br>% of I CIA *+<br>25 % of II<br>CIA* + 50%<br>of ESE* | Target | Attainment<br>(yes or No) |
|---------------------------------------|-----------------|----------------|--------------------------------------------------------------------|--------|---------------------------|
| Topology (20PMA309)                   | 75              | 75             | 77.77                                                              | 75     | Yes                       |
| Functional Analysis<br>(20PMA310)     | 70              | 70             | 73                                                                 | 70     | Yes                       |
| Mathematical Statistics<br>(20PMA311) | 80              | 80             | 85.29                                                              | 80     | Yes                       |
| Graph<br>Theory(20PMA3E1)             | 85              | 85             | 91.66                                                              | 85     | Yes                       |
| Research<br>Methodology(20PMA3X1)     | 90              | 90             | 97                                                                 | 90     | Yes                       |

\*Percentage of Students who have scored above 50

**Signature of the Faculty**

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**Kongunadu Arts and Science College (Autonomous)  
Coimbatore 641 029**

**Attainment of Programme Outcomes**

**UG Programmes**

Department: Mathematics (UA)

Academic year: 2021-2022 (ODD)

Course: Real Analysis I(19UMA509)

| <b>Class Strength=22</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 75           | 75           | 75         |
| No. of students scored <40   | 4            | 13           | -          |
| No. of students scored 40-59 | 5            | 3            | -          |
| No. of students scored 60-79 | 3            | 4            | 5          |
| No. of students scored ≥80   | 9            | 1            | 17         |

Course: Complex Analysis I(19UMA510)

| <b>Class Strength=22</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 85           | 85           | 85         |
| No. of students scored <40   | 5            | 5            | -          |
| No. of students scored 40-59 | 3            | 10           | 2          |
| No. of students scored 60-79 | 12           | 5            | 6          |
| No. of students scored ≥80   | 1            | -            | 14         |

Course: Modern Algebra I(19UMA511)

| <b>Class Strength=22</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 70           | 70           | 70         |
| No. of students scored <40   | 10           | 10           | -          |
| No. of students scored 40-59 | 7            | 7            | 2          |
| No. of students scored 60-79 | -            | 3            | 5          |
| No. of students scored ≥80   | -            | -            | 15         |

Course: Programming in C-Theory (19UMA512)

| <b>Class Strength=22</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 7            | -            | -          |
| No. of students scored 40-59 | 8            | 2            | 1          |
| No. of students scored 60-79 | 7            | 7            | 9          |
| No. of students scored ≥80   | -            | 12           | 12         |

Course: Numerical Methods (19UMA5E1)

| <b>Class Strength=22</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 7            | -            | -          |
| No. of students scored 40-59 | 1            | -            | -          |
| No. of students scored 60-79 | 5            | 1            | 1          |
| No. of students scored ≥80   | 9            | 19           | 21         |

Course: Programming in C– Practical (19UMA5CL)

| <b>Class Strength=22</b>     | <b>Internal</b> | <b>ESE</b> |
|------------------------------|-----------------|------------|
| No of CO's                   | 4               | 4          |
| Threshold                    | 40              | 40         |
| Target %                     | 95              | 95         |
| No. of students scored <40   | 1               | -          |
| No. of students scored 40-59 | -               | -          |
| No. of students scored 60-79 | 6               | 2          |
| No. of students scored >=80  | 15              | 20         |

Course: Fundamentals of Mathematics (19UMA5X1)

| <b>Class Strength=59</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 4            | -            | -          |
| No. of students scored 40-59 | 7            | 2            | 1          |
| No. of students scored 60-79 | 19           | 12           | 6          |
| No. of students scored >=80  | 21           | 41           | 52         |

**Final Programme Outcome Attainment**

| <b>Course</b>                          | <b>CIA 1 Target</b> | <b>CIA2 Target</b> | <b>POA % = 25 % of I CIA *+ 25 % of II CIA* + 50% of ESE*</b> | <b>Target</b> | <b>Attainment (yes or No)</b> |
|----------------------------------------|---------------------|--------------------|---------------------------------------------------------------|---------------|-------------------------------|
| Real Analysis I (19UMA509)             | 75                  | 75                 | 79.46                                                         | 75            | Yes                           |
| Complex Analysis I (19UMA510)          | 85                  | 85                 | 87.79                                                         | 85            | Yes                           |
| Modern Algebra I (19UMA511)            | 70                  | 70                 | 72.79                                                         | 70            | Yes                           |
| Programming in C (19UMA512)            | 90                  | 90                 | 92                                                            | 90            | Yes                           |
| Numerical Methods (19UMA5E1)           | 90                  | 90                 | 96.48                                                         | 90            | Yes                           |
| Fundamentals of Mathematics (19UMA5X1) | 90                  | 90                 | 97.15                                                         | 90            | Yes                           |

\*Percentage of Students who have scored above 40

| <b>Course</b>                          | <b>Internal</b> | <b>POA % = 50 % of Internal *+ 50% of ESE*</b> | <b>Target</b> | <b>Attainment (yes or No)</b> |
|----------------------------------------|-----------------|------------------------------------------------|---------------|-------------------------------|
| Programming in C– Practical (19UMA5CL) | 95              | 97.5                                           | 95            | Yes                           |

**Signature of the Faculty**

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**Signature of HoD**

**Kongunadu Arts and Science College (Autonomous)**  
**Coimbatore 641 029**  
**Attainment of Programme Outcomes**

**PG Programmes**

Department: Mathematics (UA)

Academic year: 2021-2022 (EVEN)

Course: Mathematical Methods (20PMA412)

| <b>Class Strength=18</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 50           | 50           | 50         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <50   | 5            | 5            | -          |
| No. of students scored 50-69 | 6            | 3            | 5          |
| No. of students scored 70-79 | 1            | 3            | 6          |
| No. of students scored ≥80   | 4            | 5            | 6          |

Course: Control Theory (20PMA413)

| <b>Class Strength=18</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 50           | 50           | 50         |
| Target %                     | 75           | 75           | 75         |
| No. of students scored <50   | 7            | 8            | -          |
| No. of students scored 50-69 | 4            | 3            | 3          |
| No. of students scored 70-79 | 4            | 1            | 6          |
| No. of students scored ≥80   | 2            | 3            | 8          |

Course: Object Oriented Programming with C++-Theory (20PMA414)

| <b>Class Strength=18</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 50           | 50           | 50         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <50   | 3            | 7            | -          |
| No. of students scored 50-69 | 8            | 5            | 6          |
| No. of students scored 70-79 | 3            | 2            | 5          |
| No. of students scored ≥80   | 3            | 1            | 6          |

Course: Fluid Dynamics (20PMA4E2)

| <b>Class Strength=18</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 50           | 50           | 50         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <50   | 7            | 6            | -          |
| No. of students scored 50-69 | 7            | 4            | 4          |
| No. of students scored 70-79 | 1            | 3            | 7          |
| No. of students scored ≥80   | 2            | 3            | 6          |

|                          |                 |            |
|--------------------------|-----------------|------------|
| <b>Class Strength=18</b> | <b>Internal</b> | <b>ESE</b> |
|--------------------------|-----------------|------------|

|                              |    |    |
|------------------------------|----|----|
| No of CO's                   | 4  | 4  |
| Threshold                    | 50 | 50 |
| Target %                     | 95 | 95 |
| No. of students scored <50   | 1  | -  |
| No. of students scored 50-69 | 2  | 1  |
| No. of students scored 70-79 | 1  | -  |
| No. of students scored >=80  | 13 | 16 |

## Final Programme Outcome Attainment

| Course                                                 | CIA 1 Target | CIA2 Target | POA % = 25 % of I CIA *+ 25 % of II CIA* + 50% of ESE* | Target | Attainment (yes or No) |
|--------------------------------------------------------|--------------|-------------|--------------------------------------------------------|--------|------------------------|
| Mathematical Methods (20PMA412)                        | 80           | 80          | 84.38                                                  | 80     | Yes                    |
| Control Theory (20PMA413)                              | 75           | 75          | 76.38                                                  | 75     | Yes                    |
| Object Oriented Programming with C++-Theory (20PMA414) | 80           | 80          | 83.92                                                  | 80     | Yes                    |
| Fluid Dynamics (20PMA4E2)                              | 80           | 80          | 80.33                                                  | 80     | Yes                    |

\*Percentage of Students who have scored above 50

| Course                                                               | Internal | POA % = 50<br>% of Internal<br>*+ 50% of<br>ESE* | Target | Attainment<br>(yes or No) |
|----------------------------------------------------------------------|----------|--------------------------------------------------|--------|---------------------------|
| Object Oriented<br>Programming with<br>C++ - Practical<br>(20PMA4CM) | 95       | 97.05                                            | 95     | Yes                       |

### Signature of the Faculty

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**Kongunadu Arts and Science College (Autonomous)**  
**Coimbatore 641 029**  
**Attainment of Programme Outcomes**

**UG Programmes**

Department: Mathematics (UA)

Academic year: 2021-2022 (EVEN)

Course: Real Analysis II(19UMA613)

| <b>Class Strength=22</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 4            | 10           | -          |
| No. of students scored 40-59 | 7            | 5            | 4          |
| No. of students scored 60-79 | 3            | 5            | 6          |
| No. of students scored ≥80   | 6            | 2            | 11         |

Course: Complex Analysis II (19UMA614)

| <b>Class Strength=22</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 1            | 2            | -          |
| No. of students scored 40-59 | 6            | 5            | 3          |
| No. of students scored 60-79 | 6            | 1            | 4          |
| No. of students scored ≥80   | 9            | 13           | 14         |

Course: Modern Algebra II(19UMA615)

| <b>Class Strength=22</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 7            | 8            | -          |
| No. of students scored 40-59 | 7            | 6            | 3          |
| No. of students scored 60-79 | 6            | 4            | 5          |
| No. of students scored ≥80   | 1            | 4            | 13         |

Course: Operation Research (19UMA6E2)

| <b>Class Strength=22</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 85           | 85           | 85         |
| No. of students scored <40   | 2            | 5            | -          |
| No. of students scored 40-59 | 4            | 2            | 5          |
| No. of students scored 60-79 | -            | 3            | 3          |
| No. of students scored ≥80   | 13           | 12           | 13         |

|                              |                 |            |
|------------------------------|-----------------|------------|
| <b>Class Strength=22</b>     | <b>Internal</b> | <b>ESE</b> |
| No of CO's                   | 4               | 4          |
| Threshold                    | 40              | 40         |
| Target %                     | 95              | 95         |
| No. of students scored <40   | 1               | -          |
| No. of students scored 40-59 | 5               | -          |
| No. of students scored 60-79 | 2               | 2          |
| No. of students scored >=80  | 14              | 19         |

### Final Programme Outcome Attainment

| <b>Course</b>                  | <b>CIA 1 Target</b> | <b>CIA2 Target</b> | <b>POA % = 25 % of I CIA* + 25 % of II CIA* + 50% of ESE*</b> | <b>Target</b> | <b>Attainment (yes or No)</b> |
|--------------------------------|---------------------|--------------------|---------------------------------------------------------------|---------------|-------------------------------|
| Real Analysis II (19UMA613)    | 80                  | 80                 | 83.63                                                         | 80            | Yes                           |
| Complex Analysis II (19UMA614) | 90                  | 90                 | 92.05                                                         | 90            | Yes                           |
| Modern Algebra II(19UMA615)    | 80                  | 80                 | 82.56                                                         | 80            | Yes                           |
| Operation Research (19UMA6E2)  | 85                  | 85                 | 90                                                            | 85            | Yes                           |

\*Percentage of Students who have scored above 40

| <b>Course</b>                             | <b>Internal</b> | <b>POA % = 50 % of Internal* + 50% of ESE*</b> | <b>Target</b> | <b>Attainment (yes or No)</b> |
|-------------------------------------------|-----------------|------------------------------------------------|---------------|-------------------------------|
| Fundamentals of Latex-Practical(19UMA6SL) | 95              | 97.72                                          | 95            | Yes                           |

### Signature of the Faculty

| Faculty Name | Signature |
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**Kongunadu Arts and Science College (Autonomous)  
Coimbatore 641 029**

**Attainment of Programme Outcomes**

**UG Programmes-Allied**

Department: Mathematics (UA)

Academic year: 2021-2022 (ODD)

Course: Discrete Mathematics and Statistics (21UCS1A1)

| <b>Class Strength=32</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 85           | 85           | 85         |
| No. of students scored <40   | 12           | -            | -          |
| No. of students scored 40-59 | 10           | 8            | -          |
| No. of students scored 60-79 | 9            | 22           | 22         |
| No. of students scored ≥80   | -            | 2            | 10         |

Course: Discrete Mathematics and Statistics (21UCT1A1)

| <b>Class Strength=20</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 85           | 85           | 85         |
| No. of students scored <40   | 9            | -            | -          |
| No. of students scored 40-59 | 8            | 1            | 1          |
| No. of students scored 60-79 | -            | 8            | 3          |
| No. of students scored ≥80   | 3            | 11           | 16         |

Course: Operation Research (20UCA3A3)

| <b>Class Strength=58</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 29           | -            | -          |
| No. of students scored 40-59 | 11           | 5            | 1          |
| No. of students scored 60-79 | 3            | 24           | 28         |
| No. of students scored ≥80   | 2            | 27           | 29         |

Course: Fundamentals of Mathematics (20UBT3A3)

| <b>Class Strength=49</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 95           | 95           | 95         |
| No. of students scored <40   | 4            | -            | -          |
| No. of students scored 40-59 | 4            | 1            | -          |
| No. of students scored 60-79 | 12           | 10           | -          |
| No. of students scored ≥80   | 27           | 38           | 47         |

Course: Mathematical Foundation of Computer Science (21UIT1A1)

| <b>Class Strength=52</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 29           | -            | -          |
| No. of students scored 40-59 | 12           | 1            | 3          |
| No. of students scored 60-79 | 5            | 16           | 16         |
| No. of students scored ≥80   | 5            | 34           | 33         |

Course: Mathematics for Management-I(21UBA1A1)

| <b>Class Strength=40</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 7            | -            | -          |
| No. of students scored 40-59 | 14           | -            | -          |
| No. of students scored 60-79 | 9            | 5            | 5          |
| No. of students scored >=80  | 6            | 33           | 35         |

Course: Business Mathematics (20UCM3A3) (Main)

| <b>Class Strength=59</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 85           | 85           | 85         |
| No. of students scored <40   | 12           | 1            | -          |
| No. of students scored 40-59 | 17           | 10           | -          |
| No. of students scored 60-79 | 15           | 28           | 12         |
| No. of students scored >=80  | 15           | 20           | 47         |

Course: Business Mathematics (20UCM3A3) (Additional)

| <b>Class Strength=60</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 12           | -            | -          |
| No. of students scored 40-59 | 18           | 1            | 1          |
| No. of students scored 60-79 | 14           | 6            | -          |
| No. of students scored >=80  | 13           | 51           | 59         |

Course: Mathematics for Business (21UPA1A1)

| <b>Class Strength=56</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 13           | -            | -          |
| No. of students scored 40-59 | 13           | 2            | -          |
| No. of students scored 60-79 | 13           | 8            | 8          |
| No. of students scored >=80  | 15           | 45           | 48         |

Course: Business Mathematics (21UCC1A1)(Main)

| <b>Class Strength=60</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 70           | 70           | 70         |
| No. of students scored <40   | 29           | -            | -          |
| No. of students scored 40-59 | 19           | -            | -          |
| No. of students scored 60-79 | 4            | 13           | 4          |
| No. of students scored >=80  | 1            | 46           | 55         |

Course: Business Mathematics (21UCC1A1)(Additional)

| <b>Class Strength=60</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 33           | 1            | -          |
| No. of students scored 40-59 | 15           | -            | 2          |
| No. of students scored 60-79 | 4            | 16           | 16         |
| No. of students scored >=80  | 3            | 32           | 41         |

Course: Business Mathematics (21UCB1A1)

| <b>Class Strength=40</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 85           | 85           | 85         |
| No. of students scored <40   | 8            | -            | -          |
| No. of students scored 40-59 | 3            | 7            | -          |
| No. of students scored 60-79 | 6            | 27           | 20         |
| No. of students scored >=80  | 4            | -            | 15         |

Course: Psychological Statistics (20UPS3A3)

| <b>Class Strength=10</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 2            | -            | -          |
| No. of students scored 40-59 | 3            | 1            | -          |
| No. of students scored 60-79 | 2            | 3            | -          |
| No. of students scored >=80  | 3            | 6            | 10         |

Course: Business Mathematics (20UAF3A3)

| <b>Class Strength=38</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 85           | 85           | 85         |
| No. of students scored <40   | 16           | -            | -          |
| No. of students scored 40-59 | 5            | 1            | 1          |
| No. of students scored 60-79 | 8            | 3            | 11         |
| No. of students scored >=80  | 5            | 34           | 26         |

Course: Business Mathematics (21UCI1A1)

| <b>Class Strength=55</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 33           | -            | -          |
| No. of students scored 40-59 | 13           | 1            | -          |
| No. of students scored 60-79 | 2            | 21           | 40         |
| No. of students scored >=80  | 3            | 32           | 14         |

Course: Introduction to Linear Algebra (21UDA1A1)

| <b>Class Strength=6</b>      | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 4            | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 4            | -            | -          |
| No. of students scored 40-59 | 1            | 5            | -          |
| No. of students scored 60-79 | 1            | 1            | 5          |
| No. of students scored >=80  | -            | -            | 1          |

Course: Discrete Mathematics (21UAI1A1)

| <b>Class Strength=6</b>      | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 3            | 1            | -          |
| No. of students scored 40-59 | 3            | -            | 1          |
| No. of students scored 60-79 | -            | 4            | 4          |
| No. of students scored >=80  | -            | 1            | 1          |

Course: Fundamentals of Mathematics ((19UMA5X1))

| <b>Class Strength=59</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 4            | -            | -          |
| No. of students scored 40-59 | 7            | 2            | 1          |
| No. of students scored 60-79 | 19           | 12           | 6          |
| No. of students scored >=80  | 21           | 41           | 52         |

**Final Programme Outcome Attainment**

| <b>Course</b>                                         | <b>CIA 1 Target</b> | <b>CIA2 Target</b> | <b>POA % = 25 % of I CIA* + 25 % of II CIA* + 50% of ESE*</b> | <b>Target</b> | <b>Attainment (yes or No)</b> |
|-------------------------------------------------------|---------------------|--------------------|---------------------------------------------------------------|---------------|-------------------------------|
| Discrete Mathematics and Statistics (21UCS1A1)        | 85                  | 85                 | 90.32                                                         | 85            | Yes                           |
| Discrete Mathematics and Statistics(21UCT1A1)         | 85                  | 85                 | 88.75                                                         | 85            | Yes                           |
| Operation Research (20UCA3A3)                         | 80                  | 80                 | 83.89                                                         | 80            | Yes                           |
| Fundamentals of Mathematics(20UBT3A3)                 | 95                  | 95                 | 97.87                                                         | 95            | Yes                           |
| Mathematical Foundation of Computer Science(21UIT1A1) | 80                  | 80                 | 85.78                                                         | 80            | Yes                           |
| Mathematics for Management I(21UBA1A1)                | 90                  | 90                 | 95.25                                                         | 90            | Yes                           |

|                                             |    |    |       |    |     |
|---------------------------------------------|----|----|-------|----|-----|
| Business Mathematics(20UCM3A3) (Main)       | 85 | 85 | 94.48 | 85 | Yes |
| Business Mathematics(20UCM3A3) (Additional) | 90 | 90 | 94.74 | 90 | Yes |
| Mathematics for Business(21UPA1A1)          | 90 | 90 | 93.98 | 90 | Yes |
| Business Mathematics(21UCC1A1) Main         | 70 | 70 | 75.58 | 70 | Yes |
| Business Mathematics(21UCC1A1) Additional   | 80 | 80 | 84.49 | 80 | Yes |
| Business Mathematics(21UCB1A1)              | 85 | 85 | 90    | 85 | Yes |
| Psychological Statistics(20UPS3A3)          | 90 | 90 | 95    | 90 | Yes |
| Business Mathematics(20UAF3A3)              | 85 | 85 | 88.23 | 85 | Yes |
| Business Mathematics(21UCI1A1)              | 80 | 80 | 83.82 | 80 | Yes |
| Introduction to Linear Algebra(21UDA1A1)    | 80 | 80 | 83.33 | 80 | Yes |
| Discrete Mathematics (21UAI1A1)             | 80 | 80 | 83.33 | 80 | Yes |
| Fundamentals of Mathematics (19UMA5X1)      | 90 | 90 | 97.15 | 90 | Yes |

\*Percentage of Students who have scored above 40

### Signature of the Faculty

| Faculty Name | Signature |
|--------------|-----------|
|              |           |
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### Signature of HoD





**Kongunadu Arts and Science College (Autonomous)**  
**Coimbatore 641 029**  
**Attainment of Programme Outcomes**

**UG Programmes-Allied**

Department: Mathematics (UA)

Academic year: 2021-2022 (EVEN)

Course: Operation Research (21UCS2A2)

| <b>Class Strength=32</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 6            | 3            | 3          |
| No. of students scored 40-59 | 11           | 11           | 12         |
| No. of students scored 60-79 | 11           | 12           | 14         |
| No. of students scored ≥80   | 2            | 4            | 3          |

Course: Computer Oriented Numerical and Statistical Methods (21UIT2A2)

| <b>Class Strength=52</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 50           | 50           | 50         |
| No. of students scored <40   | 44           | 29           | 7          |
| No. of students scored 40-59 | 4            | 15           | 25         |
| No. of students scored 60-79 | -            | 2            | 14         |
| No. of students scored ≥80   | 1            | 2            | 4          |

Course: Bio-Statistics (20UBT4A4)

| <b>Class Strength=49</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 19           | 7            | 1          |
| No. of students scored 40-59 | 15           | 7            | 5          |
| No. of students scored 60-79 | 8            | 13           | 25         |
| No. of students scored ≥80   | 6            | 21           | 18         |

Course: Business Statistics (20UCM4A4)(Main)

| <b>Class Strength=59</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 19           | 14           | 2          |
| No. of students scored 40-59 | 12           | 13           | 13         |
| No. of students scored 60-79 | 11           | 16           | 36         |
| No. of students scored ≥80   | 17           | 15           | 18         |

Course: Business Statistics (20UCM4A4)(Additional)

| <b>Class Strength=60</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 19           | 13           | -          |
| No. of students scored 40-59 | 18           | 19           | 1          |
| No. of students scored 60-79 | 9            | 16           | 23         |
| No. of students scored >=80  | 9            | 7            | 31         |

Course: Business Statistics (21UCC2A2)(Main)

| <b>Class Strength=60</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 60           | 60           | 60         |
| No. of students scored <40   | 29           | 39           | 9          |
| No. of students scored 40-59 | 22           | 13           | 37         |
| No. of students scored 60-79 | 3            | 4            | 14         |
| No. of students scored >=80  | 2            | -            | -          |

Course: Business Statistics (21UCC2A2)(Additional)

| <b>Class Strength=58</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 75           | 75           | 75         |
| No. of students scored <40   | 23           | 10           | 6          |
| No. of students scored 40-59 | 13           | 21           | 16         |
| No. of students scored 60-79 | 10           | 18           | 32         |
| No. of students scored >=80  | 6            | 3            | 3          |

Course: Statistics for Business (21UPA2A2)

| <b>Class Strength=57</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 75           | 75           | 75         |
| No. of students scored <40   | 19           | 17           | 2          |
| No. of students scored 40-59 | 13           | 12           | 20         |
| No. of students scored 60-79 | 10           | 20           | 24         |
| No. of students scored >=80  | 13           | 5            | 8          |

Course: Mathematics for Management-II(21UBA2A2)

| <b>Class Strength=39</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 16           | 6            | 3          |
| No. of students scored 40-59 | 10           | 17           | 11         |
| No. of students scored 60-79 | 7            | 11           | 19         |
| No. of students scored >=80  | 4            | 5            | 4          |

Course: Operation Research (21UCT2A2)

| <b>Class Strength=20</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 75           | 75           | 75         |
| No. of students scored <40   | 5            | 4            | 3          |
| No. of students scored 40-59 | 7            | 5            | 6          |
| No. of students scored 60-79 | 3            | 6            | 9          |
| No. of students scored >=80  | 1            | 3            | 2          |

Course: Computer Oriented Numerical and Statistical Methods (21UCA2A2)

| <b>Class Strength=39</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 65           | 65           | 65         |
| No. of students scored <40   | 21           | 24           | -          |
| No. of students scored 40-59 | 11           | 9            | 19         |
| No. of students scored 60-79 | 2            | 3            | 15         |
| No. of students scored >=80  | 1            | -            | 2          |

Course: Business Statistics (21UCB2A2)

| <b>Class Strength=35</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 55           | 55           | 55         |
| No. of students scored <40   | 17           | 12           | 8          |
| No. of students scored 40-59 | 5            | 2            | 16         |
| No. of students scored 60-79 | 2            | 2            | 4          |
| No. of students scored >=80  | 6            | 10           | 7          |

Course: Research Methodology (20UPS4A4)

| <b>Class Strength=10</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 1            | 2            | -          |
| No. of students scored 40-59 | -            | 3            | 1          |
| No. of students scored 60-79 | 4            | -            | 2          |
| No. of students scored >=80  | 4            | 5            | 5          |

Course: Business Statistics (20UAF4A4)

| <b>Class Strength=38</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 4            | 4            | 4          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 80           | 80           | 80         |
| No. of students scored <40   | 18           | 2            | -          |
| No. of students scored 40-59 | 7            | 12           | 5          |
| No. of students scored 60-79 | 4            | 6            | 13         |
| No. of students scored >=80  | 6            | 15           | 19         |

Course: Discrete Mathematics (21UDA2A2)

| <b>Class Strength=6</b>      | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 85           | 85           | 85         |
| No. of students scored <40   | 3            | -            | -          |
| No. of students scored 40-59 | 1            | 4            | 2          |
| No. of students scored 60-79 | 1            | 2            | 4          |
| No. of students scored ≥80   | 1            | -            | -          |

Course: Applied Mathematics (21UAI2A2)

| <b>Class Strength=6</b>      | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 90           | 90           | 90         |
| No. of students scored <40   | 2            | -            | -          |
| No. of students scored 40-59 | 1            | 2            | 2          |
| No. of students scored 60-79 | 2            | 1            | 2          |
| No. of students scored ≥80   | 1            | -            | 1          |

Course: Statistics for Business (21UCI2A2)

| <b>Class Strength=55</b>     | <b>CIA I</b> | <b>CIA 2</b> | <b>ESE</b> |
|------------------------------|--------------|--------------|------------|
| No of CO's                   | 5            | 5            | 5          |
| Threshold                    | 40           | 40           | 40         |
| Target %                     | 60           | 60           | 60         |
| No. of students scored <40   | 31           | 35           | 3          |
| No. of students scored 40-59 | 16           | 10           | 26         |
| No. of students scored 60-79 | 4            | 5            | 16         |
| No. of students scored ≥80   | 2            | 2            | 3          |

Course: Lab in Bio-Statistics (20UBT4AL)

| <b>Class Strength=49</b>     | <b>Internal</b> | <b>ESE</b> |
|------------------------------|-----------------|------------|
| No of CO's                   | 4               | 4          |
| Threshold                    | 40              | 40         |
| Target %                     | 90              | 90         |
| No. of students scored <40   | -               | -          |
| No. of students scored 40-59 | -               | -          |
| No. of students scored 60-79 | 9               | 1          |
| No. of students scored ≥80   | 39              | 48         |

**Final Programme Outcome Attainment**

| <b>Course</b>                                                  | <b>CIA 1 Target</b> | <b>CIA2 Target</b> | <b>POA % = 25 % of I CIA* + 25 % of II CIA* + 50 % of ESE*</b> | <b>Target</b> | <b>Attainment (yes or No)</b> |
|----------------------------------------------------------------|---------------------|--------------------|----------------------------------------------------------------|---------------|-------------------------------|
| Operation Research (21UCS2A2)                                  | 80                  | 80                 | 87.81                                                          | 85            | Yes                           |
| Computer Oriented Numerical and Statistical Methods (21UIT2A2) | 50                  | 50                 | 55.01                                                          | 50            | Yes                           |

|                                                                      |    |    |       |    |     |
|----------------------------------------------------------------------|----|----|-------|----|-----|
| Bio-Statistics<br>(20UBT4A4)                                         | 80 | 80 | 85.42 | 80 | Yes |
| Business<br>Statistics(20UCM4A4)<br>Main                             | 80 | 80 | 84.41 | 80 | Yes |
| Business<br>Statistics(20UCM4A4)<br>Additional                       | 80 | 80 | 85.45 | 80 | Yes |
| Business<br>Statistics(21UCC2A2)<br>(Main)                           | 60 | 60 | 62.13 | 60 | Yes |
| Business<br>Statistics(21UCC2A2)<br>(Additional)                     | 75 | 75 | 79    | 75 | Yes |
| Statistics for<br>Business(21UPA2A2)                                 | 75 | 75 | 77.63 | 75 | Yes |
| Mathematics for<br>Management –<br>II(21UBA2A2)                      | 80 | 80 | 81.28 | 80 | Yes |
| Operation Research<br>(21UCT2A2)                                     | 75 | 75 | 79.59 | 75 | Yes |
| Computer Oriented<br>Numerical and Statistical<br>Methods (21UCA2A2) | 65 | 65 | 68.33 | 65 | Yes |
| Business<br>Statistics(21UCB2A2)                                     | 55 | 55 | 60    | 55 | Yes |
| Research<br>Methodology(20UPS4A4)                                    | 90 | 90 | 92.22 | 90 | Yes |
| Business<br>Statistics(20UAF4A4)                                     | 80 | 80 | 85.71 | 80 | Yes |
| Discrete Mathematics<br>(21UDA2A2)                                   | 85 | 85 | 87.5  | 85 | Yes |
| Applied Mathematics<br>(21UAI2A2)                                    | 90 | 90 | 91.67 | 90 | Yes |
| Statistics for Business<br>(21UCI2A2)                                | 60 | 60 | 65.43 | 60 | Yes |

\*Percentage of Students who have scored above 40

| <b>Course</b>                       | <b>Internal</b> | <b>POA % = 50<br/>% of Internal<br/>*+ 50% of<br/>ESE*</b> | <b>Target</b> | <b>Attainment<br/>(yes or No)</b> |
|-------------------------------------|-----------------|------------------------------------------------------------|---------------|-----------------------------------|
| Lab in Bio-Statistics<br>(20UBT4AL) | 90              | 100                                                        | 90            | Yes                               |

