

6.5.2. IQAC in Teaching learning Reforms / Co-PO-PSO Attainment Analysis

Computation of Direct & Indirect Attainment of COs

Bloom's Taxonomy in fixing the Learning Objectives:

Since the Academic year 2018 – 2021, the curriculum for all the Programmes has been designed and the learning objectives and outcomes are set, following the Bloom's Taxonomy Cognitive Domain. Accordingly, it is broken into six levels of learning objectives of each course. They are -

K1 / Knowledge = Remember

K2 / Comprehension = Understand

K3 / Application = Apply

K4 / Analysis = Analyze

K5 / Evaluation = Evaluate

K6 / Synthesis = Create

Bloom's Taxonomy Action Verbs:

| | |
|---------------------------|--|
| K1 / Knowledge | Arrange, Define, Describe, Duplicate, Identify, Label, List, Match, Memorize, Name, Order, Outline, Recognize, Relate, Recall, Repeat, Reproduce, Select, State |
| K2 / Comprehension | Classify, Convert, Defend, Describe, Discuss, Distinguish, Estimate, Explain, Express, Extend, Generalize, Give example(s), Identify, Indicate, Infer, Locate, Paraphrase, Predict, Recognize, Rewrite, Review, Select, Summarize, Translate |
| K3 / Application | Apply, Change, Choose, Compute, Demonstrate, Discover, Dramatize, Employ, Illustrate, Interpret, Manipulate, Modify, Operate, Practice, Predict, Prepare, Produce, Relate, Schedule, Show, Sketch, Solve, Use, Write |

| | |
|------------------------|--|
| K4 / Analysis | Analyze, Appraise, Breakdown, Calculate, Categorize, Compare, Contrast, Criticize, Diagram, Differentiate, Discriminate, Distinguish, Examine, Experiment, Identify, Illustrate, Infer, Model, Outline, Point out, Question, Relate, Select, Separate, Subdivide, Test |
| K5 / Evaluation | Appraise, Argue, Assess, Attach, Choose, Compare, Conclude, Contrast, Defend, Describe, Discriminate, Estimate, Evaluate, Explain, Judge, Justify, Interpret, Relate, Predict, Rate, Select, Summarize, Support, Value |
| K6 / Synthesis | Arrange, Assemble, Categorize, Collect, Combine, Comply, Compose, Construct, Create, Design, Develop, Devise, Explain, Formulate, Generate, Plan, Prepare, Rearrange, Reconstruct, Relate, Reorganize, Revise, Rewrite, Set up, Summarize, Synthesize, Tell, Write |

Mapping COs with POs:

For each programme, the Programme Specific Outcomes are specified. They are designed according to the curriculum, teaching, learning and evaluation process. For each course, the definite Course Outcomes are set, giving challenge to the cognitive domain. The Course Outcomes are mapped with the Programme Outcomes and the Programme Specific Outcomes. The performance of the stakeholders is assessed as Direct Attainment and the feedback on the course received from the stakeholders is considered as Indirect Attainment. The Total Attainment rate for each course is measured and the restructuring of the curriculum is done based on it. It is resolved to adopt certain adoptive measures for the betterment of the learners.

Abbreviations Used:

CO - Course Outcome

PO - Programme Outcome

PSO - Programme Specific Outcome

WA – Weighted Average

CIA – Continuous Internal Assessment (Internal Test)

CE – Central Evaluation (End Semester Examination)

DA – Direct Attainment

IA – Indirect Attainment

OVERALL COMPUTATION OF CO ATTAINMENT

| Assessment Pattern | |
|----------------------------|---|
| Direct Assessment | Internal Examination: Mid – I: 25 Marks Objective Questions – 5 marks Descriptive Questions – 10 Marks Assignment – 5 Marks |
| | Internal Examination: Mid – II: 25 Marks Objective Questions – 5 marks Descriptive Questions – 10 Marks Assignment – 5 Marks Seminar – 5 Marks |
| | End Semester Examination: 75 Marks |
| Indirect Assessment | Course End Semester Feedback |

Computation of Direct Attainment in the Course:

20% of Internal Examination Attainment + 80% of End Semester Examination Attainment.

Computation of Overall CO Attainment in the Course:

90% of Direct CO Attainment + 10% of Indirect CO Attainment.

COMPUTATION OF CO DIRECT ATTAINMENT

| Assessment Methods | Assessment Levels |
|--|---|
| Internal Examination: Objective Questions – 5 marks Assignment – 5 Marks Seminar – 5 Marks | Threshold Value: |
| | Objective Questions – 5 + Assignment – 5 + Seminar – 5 = 25; Threshold value is 60% of their total 0.6 (10+5+5) |
| | Level – 1: 80 – 90% of students score more than 09 marks in Obj. + Ass. + Sem. |
| | Level – 2: 60 – 79% of students score more than 09 marks in Obj. + Ass. + Sem. |

| | |
|--|--|
| | Level – 3: 09% of students score more than 09 marks in Obj. + Ass. + Sem. |
| Internal Examination: | Threshold Value: |
| Descriptive Questions – (3+7) Marks | Descriptive Questions – (3+7) Marks; Threshold value is 60% of their total 0.6 (3+7) |
| | Level – 1: 80 – 90% of students score more than 08 marks in Descriptive – (3+7) |
| | Level – 2: 60 – 79% of students score more than 09 marks in Descriptive – (3+7) |
| | Level – 3: 09% of students score more than 09 marks in Descriptive – (3+7) |
| External Examination: | Threshold Value: |
| Objective Questions – 10 Marks | Threshold value is 60% of their total 0.6 (10+35+30) |
| Short Essay Questions – 35 (7+7+7+7+7) | Level – 1: 80 – 90% of students score more than 08 marks in (10+35+30) |
| Long Essay Questions – 30 (10+10+10) | Level – 2: 60 – 79% of students score more than 09 marks in (10+35+30) |
| | Level – 3: 09% of students score more than 09 marks in (10+35+30) |

COMPUTATION OF CO INDIRECT ATTAINMENT

Indirect Assessment is done by using the tools such as

Course End Survey: Once in a year

Exit Survey: At the end of the II,

IV and VI Semesters **Alumni**

Survey: Yearly once after

graduation **Method of Evaluation:**

Prepared Questionnaires

PG & RESEARCH DEPARTMENT OF ENGLISH

Programme Specific Outcomes: (PSOs)

At the end of the B.A., / M.A., & M.Phil., Degree Programmes, the student will be able to

| | |
|--------------|--|
| PSO1: | Read, understand, analyze, interpret, and extrapolate from the complex texts that are at the heart of the diverse traditions of the English language. |
| PSO2: | Identify, analyze, interpret and describe the critical ideas, values, and themes that appear in literary and cultural texts and understand the way these ideas, values, and themes inform and impact culture and society, both now and in the past. |
| PSO3: | Demonstrate a command of written academic English, including the abilities to a) organize and present material in a cogent fashion, b) formulate and defend original arguments, etc) employ effectively the language of their discipline, and d) write under time constraints. |
| PSO4: | Analyze, interpret, and understand the complex interrelationships between authors, texts, and specific social, political, and historical contexts and apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres. |
| PSO5: | Write well in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources and to cogently convey their own interpretations and perspectives, or produce new creative and artistic works themselves |

Programme Outcomes (POs):

On successful completion of B. A. English programme, the students would have

| | |
|------------|--|
| PO1 | developed mastery of English language skills and forms to be used in explicitly meaningful contexts through literature and criticism |
| PO2 | acquired necessarily required linguistic competency to be mastered in various real life situations |
| PO3 | appreciated and admired the master minds of literature and analyzed a variety of literary samples to determine the components, organizations, and structure of academic text |
| PO4 | moulded themselves into full-fledged literary critics with good attitude towards objective criticism and unbiased conclusions |
| PO5 | integrated the indispensable human values to become respectful humans and law-abiding citizens |
| PO6 | promoted their managerial skills to work independently and in groups so that they could transform themselves into job-ready candidates and achieve their career goals |
| PO7 | widened their perspective to face the literary and artistic challenges and incorporate ICT skills to clear competitive examinations like NET, SET, UPSC, TNPSC etc. |

SEMESTER: IV / PART – III / CORE - VII / UENT42

| S.No | Course Outcomes | Levels |
|-------------|--|---------------|
| CO1 | Gaining knowledge of literary texts produced by various literary personalities of this age | Level – 1 |
| CO2 | Understanding and appreciating the intense emotional, and intellectual response in the literary texts of the age | Level – 2 |
| CO3 | Analyzing critically the literary quality of the texts | Level – 3 |
| CO4 | Evaluating the works of the poets, prose writers and novelists of this age | Level – 4 |
| CO5 | Developing imaginative and creative writing by following literary style of the writers | Level – 5 |

CO - PO Matrix

| S.No | COs | POs | PSOs |
|-------------|--|------------|-------------|
| CO1 | Gaining knowledge of literary texts produced by various literary personalities of this age | 1,4,6,7 | 1,2,5 |
| CO2 | Understanding and appreciating the intense emotional, and intellectual response in the literary texts of the age | 1,4,6,7 | 1,2,5 |
| CO3 | Analyzing critically the literary quality of the texts | 1,4,6,7 | 1,2,5 |
| CO4 | Evaluating the works of the poets, prose writers and novelists of this age | 1,4,6,7 | 1,2,5 |
| CO5 | Developing imaginative and creative writing by following literary style of the writers | 1,4,6,7 | 1,2,5 |

Computation of CO-PO / PSO Attainment

| Cos | Programme Outcomes | | | | | | | Programme Specific Outcomes | | | | |
|------------|---------------------------|------------|------------|------------|------------|------------|------------|------------------------------------|-------------|-------------|-------------|-------------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | 3 | - | - | 2 | - | 3 | 2 | 3 | 2 | - | - | 3 |
| CO2 | 2 | - | - | 2 | - | 2 | 2 | 2 | 3 | - | - | 2 |
| CO3 | 1 | - | - | 2 | - | 3 | 3 | 3 | 1 | - | - | 2 |
| CO4 | 2 | - | - | 1 | - | 3 | 2 | 2 | 3 | - | - | 1 |
| CO5 | 3 | - | - | 2 | - | 2 | 1 | 3 | 2 | - | - | 3 |
| AVG | 2.2 | - | - | 1.8 | - | 2.6 | 2.0 | 2.6 | 2.2 | - | - | 2.2 |
| WA | 2 | | | 2 | | 3 | 2 | 3 | 2 | | | 2 |

Direct Attainment in CIA & CE / Age of Tennyson

| S.N | Reg. No | Name of the Student | Attainment In K1 & K2 | | | Attainment in K3 & K4 | | | Attainm ent in K5 & K6 | DA in CIA 20% | CE (75) | DA in CE 80% |
|-----|------------|---------------------|--|---|-------------------------|---|--|-------------------------|---------------------------------|------------------------|------------|-----------------------|
| | | | I CIA Objecti ve Questio ns (05) | II CIA Objectiv e Questio ns (05) | Cumulat ive Marks | I CIA Descriptive Questions (10) | II CIA Descriptive Questions (10) | Cumulat ive Marks | Assign ment (5) | | | |
| 1. | 18903ER001 | Aiswarya.S | 5 | 5 | 5 | 7 | 8 | 11 | 5 | 21 | 55 | 59 |
| 2. | 18903ER002 | Anitha.M | 5 | 5 | 5 | 6 | 7 | 6.5 | 5 | 17 | 49 | 52 |
| 3. | 18903ER003 | Anitha .P | 4 | 4 | 4 | 6 | 6 | 6 | 5 | 15 | 55 | 59 |
| 4. | 18903ER004 | Annapoorani .S | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 13 | 39 | 42 |
| 5. | 18903ER005 | ArokiyaSelvi .T | 5 | 5 | 5 | 8 | 8 | 8 | 5 | 17 | 51 | 54 |
| 6. | 18903ER006 | Bhuvaneswari .B | A | A | A | A | A | A | A | A | A | A |
| 7. | 18903ER007 | Deebiha .K | 4 | 5 | 4.5 | 8 | 8 | 8 | 5 | 17 | 53 | 57 |
| 8. | 18903ER008 | Dharini . S | A | A | A | A | A | A | A | A | A | A |
| 9. | 18903ER009 | Dharshini.M | 3 | 4 | 3.5 | 5 | 7 | 6 | 5 | 15 | 45 | 48 |
| 10 | 18903ER010 | Elakkiya .M | 3 | 4 | 3.5 | 3 | 7 | 5 | 5 | 14 | 40 | 43 |
| 11 | 18903ER011 | Firthouse .S | 4 | 5 | 4.5 | 8 | 8 | 8 | 5 | 18 | 54 | 58 |
| 12 | 18903ER012 | Gunavathi .G | A | A | A | A | A | A | A | A | A | A |
| 13 | 18903ER013 | Iswarya .B | 5 | 4 | 4.5 | 6 | 8 | 7 | 5 | 17 | 50 | 53 |
| 14 | 18903ER014 | Kamali .V | 5 | 5 | 5 | 7 | 7 | 7 | 5 | 17 | 50 | 53 |
| 15 | 18903ER015 | Kasthuri M | 3 | 2 | 2.5 | 4 | 4 | 4 | 5 | 12 | 42 | 45 |
| 16 | 18903ER016 | Kaviya .S | 5 | 5 | 5 | 7 | 7 | 7 | 5 | 17 | 52 | 55 |
| 17 | 18903ER017 | Kaviyadharshini .E | 5 | 5 | 5 | 6 | 8 | 7 | 5 | 17 | 52 | 55 |
| 18 | 18903ER018 | Kohilavani .K | 4 | 5 | 4.5 | 6 | 8 | 7 | 5 | 17 | 49 | 52 |
| 19 | 18903ER019 | Kowsalya .S | 4 | 5 | 4.5 | 7 | 7 | 7 | 5 | 17 | 58 | 62 |
| 20 | 18903ER020 | Mahadevi .R | 4 | 5 | 4.5 | 5 | 7 | 6 | 5 | 16 | 45 | 48 |
| 21 | 18903ER021 | Mahalakshmi .G.M. | 4 | 5 | 4.5 | 6 | 7 | 6.5 | 5 | 16 | 49 | 52 |

| | | | | | | | | | | | | |
|----|------------|--------------------|---|---|-----|----|----|-----|---|----|----|----|
| 22 | 18903ER022 | Mahalakshmi .T | 5 | 5 | 5 | 8 | 7 | 7.5 | 5 | 18 | 53 | 57 |
| 23 | 18903ER023 | Meena .S | 4 | 5 | 4.5 | 6 | 6 | 6 | 5 | 17 | 45 | 48 |
| 24 | 18903ER024 | Muthuvalle .S | A | A | A | A | A | A | A | A | A | A |
| 25 | 18903ER025 | Nabisha Begum. S | 5 | 5 | 5 | 9 | 9 | 9 | 5 | 19 | 56 | 60 |
| 26 | 18903ER026 | Nagalakshmi .A | 4 | 5 | 4.5 | 5 | 7 | 6 | 5 | 17 | 48 | 51 |
| 27 | 18903ER027 | Nisha .J | 5 | 5 | 5 | 9 | 8 | 8.5 | 5 | 19 | 57 | 61 |
| 28 | 18903ER028 | Nisha Sonali .S | 2 | 4 | 3 | 3 | 7 | 5 | 5 | 13 | 41 | 44 |
| 29 | 18903ER029 | Nivashini .T | 5 | 5 | 5 | 7 | 9 | 8 | 5 | 18 | 54 | 58 |
| 30 | 18903ER030 | Pandeeswari .P | 5 | 5 | 5 | 9 | 8 | 8.5 | 5 | 19 | 52 | 55 |
| 31 | 18903ER031 | Pauline Praisly .D | 5 | 5 | 5 | 9 | 9 | 9 | 5 | 19 | 57 | 61 |
| 32 | 18903ER032 | Pavithra .A | 5 | 5 | 5 | 8 | 9 | 8.5 | 5 | 19 | 58 | 62 |
| 33 | 18903ER033 | Pavithra .K | A | A | A | A | A | A | A | A | A | A |
| 34 | 18903ER034 | PreethikaHepci .I | 4 | 1 | 2.5 | 6 | 2 | 4 | 5 | 12 | 41 | 44 |
| 35 | 18903ER035 | Prisilin .T | 5 | 5 | 5 | 9 | 8 | 8.5 | 5 | 19 | 56 | 60 |
| 36 | 18903ER036 | Prithvi .S | 4 | 3 | 3.5 | 4 | 5 | 4.5 | 5 | 13 | 44 | 47 |
| 37 | 18903ER037 | Priyadharshini .R | 5 | 4 | 4.5 | 9 | 10 | 9.5 | 5 | 19 | 56 | 60 |
| 38 | 18903ER038 | Rajeswari .M | 4 | 4 | 4 | 5 | 6 | 5.5 | 5 | 15 | 45 | 48 |
| 39 | 18903ER039 | Saranya .V | A | A | A | A | A | A | A | A | A | A |
| 40 | 18903ER040 | Selvarani .M | 5 | 5 | 5 | 9 | 9 | 9 | 5 | 19 | 54 | 58 |
| 41 | 18903ER041 | Shanthi .R | 5 | 4 | 4.5 | 8` | 6 | 7 | 5 | 17 | 51 | 54 |
| 42 | 18903ER042 | Shree Surabi .T | 5 | 4 | 4.5 | 6 | 6 | 6 | 5 | 16 | 47 | 50 |
| 43 | 18903ER043 | Sindhu Byravi .M | 5 | 4 | 4.5 | 7 | 5 | 6 | 5 | 16 | 48 | 51 |
| 44 | 18903ER044 | Sneha .S | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 16 | 47 | 50 |
| 45 | 18903ER045 | Sobana .M | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 13 | 43 | 46 |
| 46 | 18903ER046 | Srimanju .S | 3 | 4 | 3.5 | 4 | 6 | 5 | 5 | 14 | 42 | 45 |
| 47 | 18903ER047 | Subalakshmi .T | 5 | 5 | 5 | 7 | 7 | 7 | 5 | 17 | 47 | 50 |
| 48 | 18903ER048 | Sudha .R | 4 | 5 | 4.5 | 6 | 8 | 7 | 5 | 17 | 50 | 53 |
| 49 | 18903ER049 | Suvithra .M | 4 | 5 | 4.5 | 4 | 7 | 5.5 | 5 | 15 | 43 | 46 |
| 50 | 18903ER050 | Swathi .C | 4 | 5 | 4.5 | 5 | 8 | 6.5 | 5 | 16 | 47 | 50 |
| 51 | 18903ER051 | Thenmozhi .G | 2 | 5 | 3.5 | 2 | 7 | 4.5 | 5 | 13 | 43 | 46 |
| 52 | 18903ER052 | Vidhya. M (2000) | 5 | 5 | 5 | 7 | 8 | 7.5 | 5 | 18 | 51 | 54 |

| | | | | | | | | | | | | |
|--------------------------------|------------|------------------|-----------------------------|---|---|-----------------------------|---|-----|-----------------------------------|------|----|------|
| 53 | 18903ER053 | Vidhya .M (2001) | 5 | 5 | 5 | 7 | 7 | 7 | 5 | 17 | 48 | 51 |
| 54 | 18903ER054 | Vinodhini .K | 5 | 5 | 5 | 9 | 8 | 8.5 | 5 | 18 | 57 | 61 |
| 55 | 18903ER055 | Vishnupriya .N | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 13 | 39 | 42 |
| 56 | 18903ER056 | Vinobha .R | 4 | 4 | 4 | 4 | 6 | 5 | 5 | 14 | 39 | 42 |
| Attainment in Cognitive Levels | | | K1 & K2: 221.5/250 = 89% | | | K3 & K4: 335.5/500 = 67% | | | K5 & K6: 250/250 = 100 % | 16.3 | | 52.2 |

Direct Attainment Analysis

Direct Attainment in Internal Tests: For 20%

Total Marks to be

attained: $20 \times 50 = 1000$

Total Marks attained:

818

For 20% = 16.3

Direct Attainment in External Examination: For 80%

Total Marks to be

attained: $80 \times 50 = 4000$

Total Marks to be

attained: 2612

For 80% = 52.2

No. of Students Appeared: 50

No. of students secured > Threshold marks: 50

% of students secured > Threshold marks: 100

Attainment Level: 3

Indirect Attainment Analysis

| Computation of CO Indirect Attainment | | | | | |
|---------------------------------------|-----|-----|-----|-----|-----|
| COS | CO1 | CO2 | CO3 | CO4 | CO5 |

| | | | | | |
|----------------------------|-------------|-------------|-------------|-------------|-------------|
| Feedback from Students | 3 | 2 | 2 | 2 | 1 |
| Feedback from Alumni | 3 | 5 | 5 | 4 | 3 |
| Feedback from Teachers | 16 | 15 | 15 | 16 | 18 |
| Total Respondents | 22 | 22 | 22 | 22 | 22 |
| CO Attainment Level | 2.59 | 2.59 | 2.59 | 2.63 | 2.78 |

Computation of Overall Attainment of COs

| CO | Direct CO Attainment | Indirect CO Attainment | Overall CO Attainment (0.9*DA+0.1*IDA) |
|---------------------------------|----------------------|------------------------|--|
| CO1 | 3 | 2.59 | 2.96 |
| CO2 | 3 | 2.59 | 2.96 |
| CO3 | 3 | 2.59 | 2.96 |
| CO4 | 2.9 | 2.63 | 2.87 |
| CO5 | 2.9 | 2.78 | 2.88 |
| Average Attainment Level | | | 2.93 |

CO/PO/PSO Mapping & Corrective Measures to be Taken

| Cos | Attainment Level | Pos | Attainment Level | PSOs | Attainment Level | Suggested Corrective measures |
|-----|------------------|-----|------------------|------|------------------|---|
| CO1 | 2.96 | PO1 | 2.93 | PSO1 | 2.93 | Exposure to the subject to be increased. Wide reading of the texts advised. Creative attitude encouraged. Special lectures to be arranged. |
| CO2 | 2.96 | PO2 | - | PSO2 | 2.54 | |
| CO3 | 2.96 | PO3 | - | PSO3 | - | |
| CO4 | 2.87 | PO4 | 2.93 | PSO4 | - | |
| CO5 | 2.88 | PO5 | - | PSO5 | 2.93 | |
| | | PO6 | 2.73 | | | |
| | | PO7 | 2.73 | | | |

PG & RESEARCH DEPARTMENT OF PHYSICS

Programme Specific Outcomes: (PSOs)

At the end of the B. Sc., / M.Sc., & M.Phil., (Physics) Degree Programmes, the student will be able to

| | |
|-------------|--|
| PSO1 | To identify the fundamental laws for the study of various Areas of physics and define and describe them with clarity. |
| PSO2 | To know the application of principles and concepts of Physics with necessary practical background and assess their consequences |
| PSO3 | To explain the basic foundation of the underlying principles and laws of Physics. |
| PSO4 | To discuss, formulate and analyze problems in Physics and identify the key concepts and principles to solve them. |
| PSO5 | To execute an experiment through careful observations, precise measurements, analyses, interpretation and effectively present the results. |

Programme Outcomes (POs):

On successful completion of B.Sc, Physics programme, the students would have

| | |
|------------|---|
| PO1 | Gaining a broad knowledge of the physical principles of the universe |
| PO2 | Comprehending the fundamental laws for the study of various areas of physics and define and describe them with clarity. |
| PO3 | Knowing the application of principles and concepts of Physics with necessary practical background and assess their consequences |
| PO4 | Discussing, formulating and analyzing the problems and identifying the key concepts and principles to solve them. |
| PO5 | Evaluating the basic foundation of the underlying principles and laws of Physics. |
| PO6 | Developing critical thinking and quantitative reasoning skills, |
| PO7 | Analyzing the scientific problems and experiments creatively and critically |

SEMESTER: IV PART – III / ELECTIVE – II / UPHE42 / SOLAR THERMAL AND RENEWABLE ENERGY SYSTEM

| S.No | Course Outcomes | Levels |
|------|---|---------------------|
| CO1 | Gaining knowledge regarding conventional and nonconventional energy resources available for conversion to electricity and related technological advancements. | Knowledge (Level 1) |

| | | |
|-----|--|-----------------------|
| CO2 | Assessing the solar radiation measurement, solar constant, solar radiation geometry and its tilted surface. | Evaluation (Level 5) |
| CO3 | Using an understanding of solar energy utilization it can be used for water heating power generation for home and agricultural purposes. | Application (Level 3) |
| CO4 | Designing experiments to trap wind energy using turbines and blades and convert to useful electrical energy. | Analysis (Level 4) |
| CO5 | Solving problems of bio waste and how to convert them into useful electrical energy. | Synthesis (Level 6) |

CO - PO Matrix

| S.No | COs | POs | PSOs |
|------|--|---------|-------|
| CO1 | Knowledge gaining, regarding conventional and nonconventional energy resources available for conversion to electricity and related technological advancements. | 1,3,4,6 | 1,3,5 |
| CO2 | Assessing the solar radiation measurement, solar constant, solar radiation geometry and its tilted surface. | 1,3,4,6 | 1,3,5 |
| CO3 | Using an understanding of solar energy utilization it can be used for water heating power generation for home and agricultural purposes. | 1,3,4,6 | 1,3,5 |
| CO4 | Designing experiments to trap wind energy using turbines and blades and convert to useful electrical energy. | 1,3,4,6 | 1,3,5 |
| CO5 | Solving problems of bio waste and how to convert them into useful electrical energy. | 1,3,4,6 | 1,3,5 |

Computation of CO-PO / PSO Attainment

| COs | Programme Outcomes | | | | | | | Programme Specific Outcomes | | | | |
|-----|--------------------|-----|-----|-----|-----|-----|-----|-----------------------------|------|------|------|------|
| | PO 1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | 2 | - | 2 | 2 | - | 2 | - | 2 | - | 3 | - | 3 |
| CO2 | 1 | - | 3 | 1 | - | 3 | - | 3 | - | 2 | - | 1 |
| CO3 | 3 | - | 3 | 3 | - | 3 | - | 3 | - | 1 | - | 2 |
| CO4 | 1 | - | 3 | 2 | - | 2 | - | 3 | - | 2 | - | 3 |
| CO5 | 3 | - | 3 | 3 | - | 3 | - | 2 | - | 3 | - | 3 |
| AVG | 2 | - | 2.8 | 2.2 | - | 2.6 | - | 2.6 | - | 2.2 | - | 2.4 |
| WA | 2 | | 3 | 2 | | 3 | | 3 | | 2 | | 2 |

Direct Attainment In CIA & CE / Solar Thermal and Renewable Energy System

| S.N | Reg. No | Name of the Student | Attainment In K1 & K2 | | | Attainment in K3 & K4 | | | Attainment in K5 & K6 | DA in CIA 20% | CE (75) | DA in CE 80% |
|-----|------------|---------------------|--------------------------------|---------------------------------|------------------|----------------------------------|-----------------------------------|------------------|-----------------------|---------------|---------|--------------|
| | | | I CIA Objective Questions (05) | II CIA Objective Questions (05) | Cumulative Marks | I CIA Descriptive Questions (10) | II CIA Descriptive Questions (10) | Cumulative Marks | Assignment (5) | | | |
| 1. | 18922ER001 | Abinaya.V | 3 | 4 | 3.5 | 10 | 9 | 9.5 | 4 | 17.0 | 66 | 70.4 |
| 2. | 18922ER002 | Alagumeena.R | 2 | 4 | 3.0 | 5 | 5 | 5.0 | 5 | 13.0 | 54 | 57.6 |
| 3. | 18922ER003 | Bharathi.D | 3 | 4 | 3.5 | 8 | 9 | 8.5 | 5 | 17.0 | 66 | 70.4 |
| 4. | 18922ER004 | Bhuvaneshwary.B | 3 | 3 | 3.0 | 4 | 3 | 3.5 | 5 | 11.5 | 51 | 54.4 |
| 5. | 18922ER005 | Boomika.V | 3 | 4 | 3.5 | 6 | 8 | 7.0 | 4 | 14.5 | 60 | 64.0 |
| 6. | 18922ER006 | Dhanalakshmi.R | 4 | 2 | 3.0 | 5 | 8 | 6.5 | 5 | 14.5 | 60 | 64.0 |
| 7. | 18922ER007 | Hemalatha.V | 4 | 3 | 3.5 | 10 | 10 | 10.0 | 5 | 18.5 | 72 | 76.8 |
| 8. | 18922ER008 | Indumathi.D | 3 | 2 | 2.5 | 6 | 3 | 4.5 | 5 | 12.0 | 51 | 54.4 |
| 9. | 18922ER009 | Jansirani.R | 4 | 4 | 4.0 | 5 | 9 | 7.0 | 5 | 16.0 | 63 | 67.2 |
| 10 | 18922ER010 | Kanchana.P | 5 | 4 | 4.5 | 9 | 10 | 9.5 | 5 | 19.0 | 72 | 76.8 |
| 11 | 18922ER011 | Kavitha.J | 4 | 3 | 3.5 | 8 | 10 | 9.0 | 5 | 17.5 | 69 | 73.6 |
| 12 | 18922ER012 | Kaviyadharshini.B | 4 | 4 | 4.0 | 10 | 10 | 10.0 | 5 | 19.0 | 72 | 76.8 |
| 13 | 18922ER013 | Kiruba.B | 5 | 5 | 5.0 | 10 | 10 | 10.0 | 4 | 19.0 | 72 | 76.8 |
| 14. | 18922ER014 | Nagajothi.R | 4 | 4 | 4.0 | 5 | 7 | 6.0 | 4 | 14.0 | 57 | 60.8 |
| 15. | 18922ER015 | Priyadharshini.C | 5 | 5 | 5.0 | 10 | 10 | 10.0 | 5 | 20.0 | 75 | 80.0 |
| 16. | 18922ER016 | Priyadharshini.R | 3 | 4 | 3.5 | 5 | 5 | 5.0 | 5 | 13.5 | 57 | 60.8 |
| 17. | 18922ER017 | Seethalakshmi.P | 3 | 3 | 3.0 | 6 | 4 | 5.0 | 4 | 12.0 | 51 | 54.4 |
| 18. | 18922ER018 | Sherin Fathima.R | 4 | 4 | 4.0 | 10 | 10 | 10.0 | 5 | 19.0 | 72 | 76. |

| | | | | | | | | | | | | |
|--------------------------------|------------|-----------|----------------------------|---|-----|--------------------------------|----|------|-------------------------------|------|----|------|
| | | | | | | | | | | | | 8 |
| 19. | 18922ER019 | Shobana.N | 4 | 4 | 4.0 | 9 | 5 | 7.0 | 4 | 15.0 | 60 | 64.0 |
| 20. | 18922ER020 | Surya.R | 3 | 3 | 3.0 | 9 | 9 | 9.0 | 4 | 16.0 | 63 | 67.2 |
| 21. | 18922ER021 | Vinotha.R | 5 | 4 | 4.5 | 10 | 10 | 10.0 | 5 | 19.5 | 75 | 80.0 |
| Attainment in Cognitive Levels | | | K1 & K2: 77.5/105 = 74% | | | K3 & K4: 162/210 = 77.1% | | | K5 & K6: 98/105 = 93.3% | 16.1 | | 68 |

Direct Attainment Analysis

Direct Attainment in Internal Tests: For 20%

Total Marks to be
attained: 20X21 = 420

Total Marks attained: 37.5

For 20% = 16.1

Direct Attainment in External Examination: For 80%

Total Marks to be attained:

80X21 = 1680

Total Marks
to be attained: 1427.2

For 80% = 68

No. of Students Appeared: 21

No. of students secured > Threshold marks: 21

% of students secured > Threshold marks: 100

Attainment Level: 3

Indirect Attainment Analysis

| Computation of CO Indirect Attainment | | | | | |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|
| COS | CO1 | CO2 | CO3 | CO4 | CO5 |
| Feedback from Students | 3 | 2 | 2 | 3 | 1 |
| Feedback from Alumni | 4 | 3 | 4 | 4 | 4 |
| Feedback from Teachers | 18 | 20 | 19 | 18 | 20 |
| Total Respondents | 25 | 25 | 25 | 25 | 25 |
| CO Attainment Level | 2.65 | 2.73 | 2.78 | 2.64 | 2.77 |

Computation of Overall Attainment of COs

| CO | Direct CO Attainment | Indirect CO Attainment | Overall CO Attainment (0.9*DA+0.1*IDA) |
|---------------------------------|----------------------|------------------------|--|
| CO1 | 3 | 2.65 | 2.97 |
| CO2 | 3 | 2.73 | 2.97 |
| CO3 | 2.9 | 2.78 | 2.89 |
| CO4 | 2.9 | 2.64 | 2.87 |
| CO5 | 3 | 2.77 | 2.98 |
| Average Attainment Level | | | 2.93 |

CO/PO/PSO Mapping & Corrective Measures to be Taken

| COs | Attainment Level | POs | Attainment Level | PSOs | Attainment Level | Suggested Corrective measures |
|-----|------------------|-----|------------------|------|------------------|--|
| CO1 | 2.97 | PO1 | 2.93 | PSO1 | 2.87 | <ul style="list-style-type: none"> Practical experience in Solar and Thermal Power System to be given. Hands-on-training in setting up solar system to be given. Energy saving instruction also to be offered.. |
| CO2 | 2.97 | PO2 | - | PSO2 | - | |
| CO3 | 2.89 | PO3 | 2.76 | PSO3 | 2.88 | |
| CO4 | 2.87 | PO4 | 2.93 | PSO4 | - | |
| CO5 | 2.98 | PO5 | - | PSO5 | 2.95 | |
| | | PO6 | 2.78 | | | |
| | | PO7 | - | | | |

PG & RESEARCH DEPARTMENT OF MATHEMATICS

Programme Specific Outcomes: (PSOs)

At the end of the B.Sc., / M.Sc., & M.Phil., (Mathematics) Degree Programmes, the students will be able to

| | |
|-------------|--|
| PSO1 | To identify the fundamental statements for the study of various areas of mathematics and define and describe them with clarity. |
| PSO2 | To equip graduates with life – long learning skills, will allow them to successfully adapt to the evolving technologies throughout their professional careers. |
| PSO3 | To graduates develop teaching skills, subject knowledge in the course of their study which will help them to shine in various fields. |
| PSO4 | To discuss, formulate and analyze problems in Mathematics and identify the concepts and principles to solve them. |
| PSO5 | To develop need based mathematics teaching learning resources. |

Programme Outcomes (POs):

On successful completion of B. Sc., (Mathematics) Programme, certain outcomes are expected from the students.

| | |
|------------|--|
| PO1 | Gaining a broad knowledge of the mathematical concepts. |
| PO2 | Comprehending the fundamental statements for the study of various areas of mathematics and define and describe them with clarity. |
| PO3 | Demonstrating basic manipulate skills in algebra, geometry, Trigonometry, and beginning Calculus. |
| PO4 | Discussing, formulating and analyzing the problems and identifying the concepts and principles to solve them. |
| PO5 | Evaluating the basic foundation of the underlying theorems and proofs of Mathematics. |
| PO6 | Developing experience investigating the real world problems and learn to how to apply mathematical ideas and models to those problems. |
| PO7 | Analyzing the various types of problems to solving creatively and critically. |

SEMESTER: I / CORE: I / UMTT11 / CALCULUS

| S.No | Course Outcomes | Levels |
|------|---|-----------|
| CO1 | Learning the different concepts of differential and integral calculus | Level – 1 |
| CO2 | Understanding the basic knowledge of integration | Level – 2 |

| | | |
|-----|---|-----------|
| CO3 | Solving the multiple integrals and its Applications | Level – 3 |
| CO4 | Applying the concept of Change of variables | Level – 4 |
| CO5 | Solving problems encountered in everyday life, further study in science | Level – 5 |

CO - PO Matrix

| S.No | Cos | Pos | PSOs |
|------|---|---------|-------|
| CO1 | Learning the different concepts of differential and integral calculus | 1,3,5,7 | 1,3,5 |
| CO2 | Understanding the basic knowledge of integration | 1,3,5,7 | 1,3,5 |
| CO3 | Solving the multiple integrals and its Applications | 1,3,5,7 | 1,3,5 |
| CO4 | Applying the concept of Change of variables | 1,3,5,7 | 1,3,5 |
| CO5 | Solving problems encountered in everyday life, further study in science | 1,3,5,7 | 1,3,5 |

Computation of CO-PO / PSO Attainment

| COs | Programme Outcomes | | | | | | | Programme Specific Outcomes | | | | |
|-----|--------------------|-----|-----|-----|-----|-----|-----|-----------------------------|------|------|------|------|
| | PO 1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | 3 | - | 2 | - | 3 | - | 3 | 3 | - | 3 | - | 3 |
| CO2 | 2 | - | 3 | - | 2 | - | 3 | 2 | - | 2 | - | 3 |
| CO3 | 3 | - | 3 | - | 2 | - | 2 | 1 | - | 3 | - | 2 |
| CO4 | 2 | - | 2 | - | 3 | - | 3 | 2 | - | 3 | - | 2 |
| CO5 | 3 | - | 1 | - | 3 | - | 3 | 3 | - | 3 | - | 3 |
| AVG | 2.6 | - | 2.2 | - | 2.6 | - | 2.8 | 2.2 | - | 2.8 | - | 2.6 |
| WA | 3 | - | 2 | - | 3 | - | 3 | 2 | - | 3 | - | 3 |

Direct Attainment in CIA & CE / Calculus

| | | | | | | | | |
|--|--|--|-----------------------|-----------------------|-----------------------|--|--|----|
| | | | Attainment in K1 & K2 | Attainment in K3 & K4 | Attainment in K5 & K6 | | | DA |
|--|--|--|-----------------------|-----------------------|-----------------------|--|--|----|

| S. No | Reg. No | Name of the Student | I CIA Objective Questions (05) | II CIA Objective Questions (05) | Cumulative Marks | I CIA Descriptive Questions (10) | II CIA Descriptive Questions (10) | Cumulative Marks | Assignment (5) | DA in CIA 20% | CE (75) | in CE 80% |
|-------|------------|---------------------|--------------------------------|---------------------------------|------------------|----------------------------------|-----------------------------------|------------------|----------------|---------------|---------|-----------|
| 1. | 18921ER001 | Anbu Selvi.C | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 70 | 74.7 |
| 2. | 18921ER002 | Anitha.P | 5 | 4 | 4.45 | 10 | 9 | 9.5 | 5 | 19 | 52 | 55.5 |
| 3. | 18921ER003 | Anusuya.E | 3 | 4 | 3.5 | 6 | 7 | 6.5 | 5 | 15 | 43 | 45.9 |
| 4. | 18921ER004 | Archanadevi.C | 4 | 5 | 4.4 | 9 | 10 | 9.5 | 5 | 19 | 58 | 61.9 |
| 5. | 18921ER005 | Dhanalakshmi.C | 5 | 3 | 4 | 10 | 7 | 8.5 | 5 | 17.5 | 60 | 64 |
| 6. | 18921ER006 | Dhanyashree.D | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 74 | 78.9 |
| 7. | 18921ER007 | Dharani.K | 3 | 2 | 2.5 | 4 | 4 | 4 | 5 | 11.5 | 48 | 51.2 |
| 8. | 18921ER008 | Divyaprabha.R | 3 | 3 | 3 | 8 | 7 | 7.5 | 5 | 15.5 | 54 | 57.6 |
| 9. | 18921ER009 | Durgadevi.S | 4 | 3 | 3.5 | 9 | 10 | 9.5 | 5 | 18 | 63 | 67.2 |
| 10. | 18921ER010 | Gayathri.R | 4 | 5 | 4.5 | 10 | 10 | 10 | 5 | 19.5 | 63 | 67.2 |
| 11. | 18921ER011 | Gnanaselvi.K | 5 | 4 | 4.5 | 10 | 10 | 10 | 5 | 19.5 | 63 | 67.2 |
| 12. | 18921ER012 | Hasheenafurhan.M | 4 | 3 | 3.5 | 9 | 9 | 9 | 5 | 17.5 | 56 | 59.7 |
| 13. | 18921ER013 | Janani Pandi.S.R | A | A | A | A | A | A | A | A | A | A |
| 14. | 18921ER014 | Jeyakodi.R | 3 | 3 | 3 | 6 | 7 | 6.5 | 5 | 14.5 | 44 | 46.9 |
| 15. | 18921ER015 | Jothilakshmi.B | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 72 | 76.8 |
| 16. | 18921ER016 | Kaleeswari.K | 4 | 3 | 3.5 | 10 | 5 | 7.5 | 5 | 16 | 54 | 56.6 |
| 17. | 18921ER017 | Kamali.M | 4 | 3 | 3.5 | 8 | 7 | 7.5 | 5 | 16 | 47 | 50.1 |
| 18. | 18921ER018 | Kanmani.A | 5 | 4 | 4.5 | 10 | 7 | 8.5 | 5 | 18 | 55 | 58.7 |

| | | | | | | | | | | | | |
|----|------------|--------------------|----|----|-----|----|----|-----|---|------|----|------|
| 19 | 18921ER019 | Kavipriya.K | 4 | 4 | 4 | 10 | 10 | 10 | 5 | 19 | 57 | 60.8 |
| 20 | 18921ER020 | Keerthigapriya.P | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 72 | 76.8 |
| 21 | 18921ER021 | Kowsalya.S | 4 | 4 | 4 | 9 | 10 | 9.5 | 5 | 18.5 | 51 | 54.4 |
| 22 | 18921ER022 | Lathifa Barveen.K | 4 | 4 | 4 | 10 | 10 | 10 | 5 | 19 | 66 | 70.4 |
| 23 | 18921ER023 | Logapriya.S | 3 | 4 | 3.5 | 10 | 10 | 10 | 5 | 18.5 | 60 | 64 |
| 24 | 18921ER024 | Maheswari.K | 3 | 2 | 2.5 | 10 | 7 | 8.5 | 5 | 16 | 30 | 32 |
| 25 | 18921ER025 | Manju.R | 4 | 5 | 4.5 | 10 | 10 | 10 | 5 | 19.5 | 62 | 66.1 |
| 26 | 18921ER026 | Monisha.V | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 69 | 73.6 |
| 27 | 18921ER027 | Nagalakshmi .S | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 56 | 59.7 |
| 28 | 18921ER028 | Nandhashree.R | 01 | 3 | 2 | 02 | 6 | 4 | 5 | 11 | 50 | 53.3 |
| 29 | 18921ER029 | Nathiya.R | 4 | 4 | 4 | 10 | 10 | 10 | 5 | 19 | 53 | 56.5 |
| 30 | 18921ER034 | Nivetha.G | 3 | 3 | 3 | 6 | 7 | 6.5 | 5 | 14.5 | 40 | 42.7 |
| 31 | 18921ER031 | Parvathavarthini.R | 3 | 4 | 3.5 | 9 | 9 | 9 | 5 | 17.5 | 64 | 68.3 |
| 32 | 18921ER032 | Rajashankari.B | 4 | 4 | 4 | 10 | 10 | 10 | 5 | 19 | 64 | 68.3 |
| 33 | 18921ER033 | Sandhiya.S | 3 | 2 | 2 | 9 | 7 | 8 | 5 | 15.5 | 58 | 61.9 |
| 34 | 18921ER034 | Shahin Fathima.S | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 71 | 75.7 |
| 35 | 18921ER035 | Shesha Vardhini.K | 5 | 3 | 4 | 10 | 8 | 9 | 5 | 18 | 62 | 66.1 |
| 36 | 18921ER036 | Sinmaiya.G | 5 | 4 | 4.5 | 10 | 8 | 9 | 5 | 18.5 | 68 | 72.5 |
| 37 | 18921ER037 | Sivaranjani.M | 3 | 3 | 3 | 9 | 8 | 8.5 | 5 | 16.5 | 53 | 56.5 |
| 38 | 18921ER038 | Swetha.M | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 67 | 71.5 |
| 39 | 18921ER039 | Vasunthra.M | 4 | 3 | 3.5 | 9 | 8 | 8.5 | 5 | 17 | 60 | 64 |
| 40 | 18921ER040 | Vinotharanipriya.N | 01 | 02 | 1.5 | 02 | 05 | 3.5 | 5 | 10 | 36 | 38.4 |

| | | | | | | |
|--------------------------------|---------------------------|---------------------------|--------------------------|------|--|------|
| Attainment in Cognitive Levels | K1 & K2: 150.5/195=77% | K3 & K4: 338/390=86.7% | K5 & K6: 195/195=100% | 17.5 | | 61.4 |
|--------------------------------|---------------------------|---------------------------|--------------------------|------|--|------|

Direct Attainment Analysis

Direct Attainment in Internal Tests: For 20%

Total Marks to be attained: $20 \times 39 = 780$

Total Marks attained: 682.5

For 20% = 17.5

Direct Attainment in External Examination: For 80%

Total Marks to be

attained: $80 \times 39 = 3120$

Total Marks to be

attained: 2394.6

For 80% = 61.4

No. of Students Appeared: 39

No. of students secured > Threshold marks: 39

% of students secured > Threshold marks: 100

Attainment Level: 3

Indirect Attainment Analysis

Computation of CO Indirect Attainment

| COS | CO1 | CO2 | CO3 | CO4 | CO5 |
|----------------------------|-------------|-------------|-------------|-------------|-------------|
| Feedback from Students | 3 | 3 | 3 | 2 | 2 |
| Feedback from Alumni | 4 | 5 | 5 | 4 | 4 |
| Feedback from Teachers | 18 | 17 | 17 | 19 | 19 |
| Total Respondents | 25 | 25 | 25 | 25 | 25 |
| CO Attainment Level | 2.61 | 2.61 | 2.61 | 2.78 | 2.78 |

Computation of Overall Attainment of COs

| CO | Direct CO Attainment | Indirect CO Attainment | Overall CO Attainment (0.9*DA+0.1*IDA) |
|---------------------------------|-----------------------------|-------------------------------|---|
| CO1 | 3 | 2.61 | 2.96 |
| CO2 | 3 | 2.61 | 2.96 |
| CO3 | 3 | 2.61 | 2.96 |
| CO4 | 2.9 | 2.78 | 2.89 |
| CO5 | 2.9 | 2.78 | 2.89 |
| Average Attainment Level | | | 2.93 |

CO/PO/PSO Mapping & Corrective Measures to be Taken

| COs | Attainment Level | Pos | Attainment Level | PSOs | Attainment Level | Suggested Corrective measures |
|------------|-------------------------|------------|-------------------------|-------------|-------------------------|---|
| CO1 | 2.96 | PO1 | 2.91 | PSO1 | 2.91 | <ul style="list-style-type: none"> • Internship Training should be arranged. • Group Discussion to be encouraged. • Workshop should be arranged. • Solving applied problems to be encouraged. |
| CO2 | 2.96 | PO2 | - | PSO2 | - | |
| CO3 | 2.96 | PO3 | 2.78 | PSO3 | 2.89 | |
| CO4 | 2.89 | PO4 | - | PSO4 | - | |
| CO5 | 2.89 | PO5 | 2.81 | PSO5 | 2.82 | |
| | | PO6 | - | | | |
| | | PO7 | 2.81 | | | |

PG & RESEARCH DEPARTMENT OF COMMERCE

Programme Specific Outcomes: (PSOs)

At the end of the B.Com., / M.Com., & M.Phil., (Commerce) Degree Programme, the student will be able

| | |
|-------------|---|
| PSO1 | To inculcate the knowledge of accounting principles and practice. |
| PSO2 | To import the knowledge in the field of economics, banking sector, auditing, company secretary ship and financial markets. |
| PSO3 | To analyze contextual knowledge to assess societal, health, safety, legal relevant to the professional accounting practice. |
| PSO4 | To develop accounting and entrepreneurial skills. |
| PSO5 | To enable the learners to prove themselves in different professional examinations lime CA, CMA, CAT, UPSC etc. |

Programme Outcomes (Pos):

On successful Completion of B.Com., Degree Programme, certain outcomes are expected from the students.

| | |
|------------|--|
| PO1 | Knowing theoretical and practical exposure in the commerce sector which include accounts, commerce, finance, marketing , management , economics , environment etc. |
| PO2 | Developing communication skills and build confidence to face the challenges of the corporate world. |
| PO3 | Acquiring enhanced capability of decision making at personal and professional levels. |
| PO4 | Becoming industry ready and developing various managerial and accounting skills for better professional opportunities. |
| PO5 | Developing entrepreneurial skills and involving themselves in business, banking and sales with confidence. |
| PO6 | Strengthening their capacities in varied areas of commerce and industry aiming towards holistic development |
| PO7 | Gaining skills regarding various aspects like marketing manager, selling manager, over all administration abilities of the company. |

SEMESTER: IV/ PART – III / CORE: X UCOS31 / FUNDAMENTALS OF INSURANCE

| S.No | Course Outcomes | Levels |
|-------------|--|-------------------------|
| CO1 | Understanding the knowledge base on principles of insurance business. | Comprehension (Level 2) |
| CO2 | Applying the concept role of insurance economic development of society and social security. | Application (Level 3) |
| CO3 | Designing the various policies of insurance and evaluate techniques. | Evaluation (Level 5) |
| CO4 | Analyzing the difference between life and non life product of business. | Analysis (Level 4) |
| CO5 | Solving the role of private sectors and regulatory bodies of Insurance sector in professional world. | Synthesis (Level 6) |

CO - PO Matrix

| S.No | Cos | POs | PSOs |
|-------------|--|------------|-------------|
| CO1 | Understanding the knowledge base on principles of insurance business. | 1,3,5,7 | 1,2,4 |
| CO2 | Applying the concept role of insurance economic development of society and social security. | 1,3,5,7 | 1,2,4 |
| CO3 | Designing the various policies of insurance and evaluate techniques. | 1,3,5,7 | 1,2,4 |
| CO4 | Analyzing the difference between life and non life product of business.. | 1,3,5,7 | 1,2,4 |
| CO5 | Solving the role of private sectors and regulatory bodies of Insurance sector in professional world. | 1,3,5,7 | 1,2,4 |

Computation of CO-PO / PSO Attainment

| COs | Programme Outcomes | | | | | | | Programme Specific Outcomes | | | | |
|------------|---------------------------|------------|------------|------------|------------|------------|------------|------------------------------------|-------------|-------------|-------------|-------------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | 3 | - | 3 | | 2 | | 2 | 3 | 2 | - | 3 | |
| CO2 | 2 | - | 2 | | 2 | | 2 | 2 | 3 | - | 2 | |
| CO3 | 1 | - | 3 | | 2 | | 1 | 3 | 1 | - | 2 | |
| CO4 | 2 | - | 3 | | 1 | | 2 | 2 | 3 | - | 1 | |
| CO5 | 3 | - | 2 | | 2 | | 2 | 3 | 2 | - | 3 | |
| AVG | 2.2 | - | 2.6 | | 1.8 | | 1.8 | 2.6 | 2.2 | - | 2.2 | |
| WA | 2 | | 3 | | 2 | | 2 | 3 | 2 | | 2 | |

Direct Attainment in CIA & CE / Fundamentals of Insurance

| S.No | Reg. No. | Name | Attainment in K1 & K2 | | | Attainment in K3 & K4 | | | Attainment in K5 & K6 | DA in CIA 20% | CE (75) | DA in CE 80% |
|------|------------|-------------------|--------------------------------|---------------------------------|------------------|----------------------------------|-----------------------------------|------------------|-----------------------|---------------|---------|--------------|
| | | | I CIA Objective Questions (05) | II CIA Objective Questions (05) | Cumulative Marks | I CIA Descriptive Questions (10) | II CIA Descriptive Questions (10) | Cumulative Marks | Assignment (5) | | | |
| 1. | 18941ER001 | Anitha.S | 5 | 5 | 5 | 5 | 8 | 6.5 | 5 | 16.5 | 55 | 58.67 |
| 2. | 18941ER002 | Brindha.R | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 15 | 43 | 45.87 |
| 3. | 18941ER003 | DawoodShifana.S | 5 | 5 | 5 | 5 | 9 | 7 | 5 | 17 | 63 | 67.20 |
| 4. | 18941ER004 | DeepikaKasthuri.M | 4 | 5 | 4.5 | 4.5 | 8 | 6.25 | 5 | 15.8 | 54 | 57.60 |
| 5. | 18941ER005 | Estherjemima.P | 5 | 5 | 5 | 5 | 7 | 6 | 5 | 16 | 53 | 56.53 |
| 6. | 18941ER006 | Eswari.K | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 15 | 49 | 52.27 |
| 7. | 18941ER007 | Gayathri.C | 5 | 5 | 5 | 5 | 8 | 6.5 | 5 | 16.5 | 53 | 56.53 |
| 8. | 18941ER008 | Keerthana.S | 5 | 5 | 5 | 5 | 6 | 5.5 | 5 | 15.5 | 52 | 55.47 |
| 9. | 18941ER009 | Manjuparkavi.M | A | A | A | A | A | A | A | A | A | A |
| 10. | 18941ER010 | Mariyathal .S | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 13 | 48 | 51.20 |
| 11. | 18941ER011 | Murugeshvari.S | 5 | 4 | 4.5 | 4.5 | 9 | 6.75 | 5 | 16.3 | 56 | 59.73 |
| 12. | 18941ER012 | Muthulakshmi.P | 3 | 3 | 3 | 3 | 7 | 5 | 5 | 13 | 55 | 58.67 |
| 13. | 18941ER013 | Nandhini.M | 4 | 5 | 4.5 | 4.5 | 5 | 4.75 | 5 | 14.3 | 50 | 53.33 |
| 14. | 18941ER014 | Nivetha.R | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 15 | 58 | 61.87 |

| | | | | | | | | | | | | | |
|--------------------------------|------------|----------------|-------|---|-----|-----|-----|------|------------------------|------|--------|-------|---------|
| 15 | 18941ER015 | Pandimeena.R | 5 | 5 | 5 | 5 | 7 | 6 | 5 | 16 | 59 | 62.93 | |
| 16 | 18941ER016 | Pandiselvi.S | 5 | 5 | 5 | 5 | 7 | 6 | 5 | 16 | 50 | 53.33 | |
| 17 | 18941ER017 | Rajalakshmi.P | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 15 | 57 | 60.80 | |
| 18 | 18941ER018 | Safrinbanu.J | 5 | 5 | 5 | 5 | 9 | 7 | 5 | 17 | 64 | 68.27 | |
| 19 | 18941ER019 | Selvanithya.P | 5 | 5 | 5 | 5 | 9 | 7 | 5 | 17 | 54 | 57.60 | |
| 20 | 18941ER020 | Sneha.S | 5 | 4 | 4.5 | 4.5 | 8 | 6.25 | 5 | 15.8 | 57 | 60.80 | |
| 21 | 18941ER021 | Subashini.P | 5 | 4 | 4.5 | 4.5 | 8 | 6.25 | 5 | 15.8 | 53 | 56.53 | |
| 22 | 18941ER022 | Thahseen..M | 5 | 5 | 5 | 5 | 10 | 7.5 | 5 | 17.5 | 57 | 60.80 | |
| 23 | 18941ER023 | Vanitha.S | 5 | 5 | 5 | 5 | 7 | 6 | 5 | 16 | 49 | 52.27 | |
| 24 | 18941ER024 | ZubanaHaseen.S | A | A | A | A | A | A | A | A | A | A | |
| 25 | 18941ER025 | Lashiya. T.S. | 5 | 5 | 5 | 5 | 9 | 7 | 5 | 17 | 55 | 58.67 | |
| | | | 135.5 | | | | 141 | | | | 361.75 | | 1326.93 |
| Attainment in Cognitive Levels | | | | | | | | | K5&K6 =110/10=100 % | 13.9 | | 62.9 | |

Direct Attainment Analysis

Direct Attainment in Internal Tests: For 20%

Total Marks to be

attained: $23 \times 20 = 460$

Total Marks attained:

361.7

For 20% = 13.9

Direct Attainment in External Examination: For 80%

Total Marks to be

attained: $80 \times 23 = 1840$

Total Marks to be

attained: 1326.9

For 80% = 62.9

No. of Students Appeared: 23

No. of students secured > Threshold marks: 15

% of students secured > Threshold marks: 100

Attainment Level: 3

Indirect Attainment Analysis

| Computation of CO Indirect Attainment | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|
| COS | CO1 | CO2 | CO3 | CO4 | CO5 |
| Feedback from Students | 4 | 5 | 5 | 5 | 5 |
| Feedback from Alumni | 3 | 5 | 5 | 4 | 5 |
| Feedback from Teachers | 18 | 15 | 15 | 15 | 15 |
| Total Respondents | 25 | 25 | 25 | 25 | 25 |
| CO Attainment Level | 2.63 | 2.79 | 2.79 | 2.59 | 2.79 |

COMPUTATION OF OVERALL ATTAINMENT OF COs

| CO | Direct CO Attainment | Indirect CO Attainment | Overall CO Attainment (0.9*DA+0.1*IDA) |
|--------------------------|----------------------|------------------------|--|
| CO1 | 2.9 | 2.63 | 2.87 |
| CO2 | 3 | 2.79 | 2.98 |
| CO3 | 3 | 2.79 | 2.98 |
| CO4 | 2.9 | 2.59 | 2.87 |
| CO5 | 2.9 | 2.79 | 2.89 |
| Average Attainment Level | | | 2.92 |

CO/PO/PSO MAPPING & CORRECTIVE MEASURES TO BE TAKEN

| COs | Attainment Level | POs | Attainment Level | PSOs | Attainment Level | Suggested Corrective measures |
|-----|------------------|-----|------------------|------|------------------|--|
| CO1 | 2.87 | PO1 | 2.63 | PSO1 | 2.93 ● | Exposure to the subject to be increased. Wide reading of the texts advised. Creative attitude is encouraged. Special lectures to be arranged. |
| CO2 | 2.98 | PO2 | | PSO2 | 2.54 ● | |
| CO3 | 2.98 | PO3 | 2.65 | PSO3 | ●● | |
| CO4 | 2.87 | PO4 | | PSO4 | 2.93 | |
| CO5 | 2.89 | PO5 | 2.75 | PSO5 | | |
| | | PO6 | | | | |
| | | PO7 | 2.79 | | | |

PG DEPARTMENT OF COMMERCE WITH CA

Programme Specific Outcomes: (PSOs)

At the end of the B.Com., (CA) & M.Com., (CA) Degree Programmes, the students will be able

| | |
|-------------|--|
| PSO1 | To inculcate the knowledge of accounting concepts and computer application in business. |
| PSO2 | To import the knowledge in the field of accounting specialization in business, banking sector and financial markets. |
| PSO3 | To analyse latest technologies to solve problem in the area of computer application. |
| PSO4 | To make the students well equipped for getting job opportunities. |
| PSO5 | To develop entrepreneurial skills among commerce students. |

Programme Outcomes (POs):

On successful completion of B.Com., (CA) Degree Programme, certain outcomes are expected from the students.

| | |
|------------|--|
| PO1 | Gaining knowledge in commerce and accounting software for corporate expectations. |
| PO2 | Demonstrating professional ethics in the social and legal aspects of commerce. |
| PO3 | Integrating the ethical behaviour in self-learning, applying it towards lifelong learning and acquitting knowledge in modern corporate and the IT sectors. |
| PO4 | Getting employment in IT field, software, banks companies, BPOs and KPOs. |
| PO5 | Gearing up with updated knowledge in implementing business practice and equipping with professional, inter personal and entrepreneurial skills. |
| PO6 | Strengthening their capacities in varied areas of commerce and industry aiming towards holistic development. |
| PO7 | Preparing for post graduate studies and to achieve success in their professional careers. |

SEMESTER: III / PART – III / SBC – I / UCOS31 / FUNDAMENTALS OF INVESTMENT

| S.No | Course Outcomes | Levels |
|------|---|-----------|
| CO1 | Understanding the knowledge of fundamental of investment | Level - 2 |
| CO2 | Applying the concept of investment environment of business and fixed income securities | Level - 3 |
| CO3 | Analyzing the portfolio investment of financial derivatives | Level - 4 |
| CO4 | Designing the various approaches of fundamentals and technical analysis of equity valuation | Level - 5 |
| CO5 | Solving the role of investor protection in professional world | Level - 6 |

CO - PO Matrix

| S.No | COs | POs | PSOs |
|------|---|---------|-------|
| CO1 | Understanding the knowledge of fundamental of investment | 1,3,6,7 | 1,2,3 |
| CO2 | Applying the concept of investment environment of business and fixed income securities | 1,3,6,7 | 1,2,3 |
| CO3 | Analysing the portfolio investment of financial derivatives | 1,3,6,7 | 1,2,3 |
| CO4 | Designing the various approaches of fundamentals and technical analysis of equity valuation | 1,3,6,7 | 1,2,3 |
| CO5 | Solving the role of investor protection in professional world | 1,3,6,7 | 1,2,3 |

Computation of CO-PO / PSO Attainment

| COs | Programme Outcomes | | | | | | | Programme Specific Outcomes | | | | |
|-----|--------------------|-----|-----|-----|-----|-----|-----|-----------------------------|------|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | 3 | - | 3 | - | - | 2 | 2 | 3 | 2 | 3 | - | - |
| CO2 | 2 | - | 2 | - | - | 2 | 2 | 2 | 3 | 2 | - | - |
| CO3 | 1 | - | 3 | - | - | 2 | 3 | 3 | 1 | 2 | - | - |
| CO4 | 2 | - | 3 | - | - | 1 | 2 | 2 | 3 | 1 | - | - |
| CO5 | 3 | - | 2 | - | - | 2 | 1 | 3 | 2 | 2 | - | - |
| AVG | 2.2 | - | 2.6 | - | - | 1.8 | 2.0 | 2.6 | 2.2 | 2.0 | - | - |
| WA | 2 | | 3 | | | 2 | 2 | 3 | 2 | 2 | | |

DIRECT ATTAINMENT IN CIA & CE / FUNDAMENTALS OF INVESTMENT

| S.No | Reg. No. | Name | Attainment in K1 & K2 | | | Attainment in K3 & K4 | | | Attainment in K5&K6 | DA in CIA 20% | CE (75) | DA in CE 80% |
|------|------------|--------------------------|-----------------------|-----------------------|------------------|----------------------------------|----------------------------------|------------------|---------------------|---------------|---------|--------------|
| | | | I CIA Obj. Qtns (05) | II CIA Obj. Qtns (05) | Cumulative Marks | I CIA Descriptive Questions (10) | II CIA Descriptive Questions(10) | Cumulative Marks | Assignment (5) | | | |
| 1 | 18942ER001 | Aarthi. T | 2 | 2 | 2 | 4 | 5 | 4.5 | 5 | 11.5 | A | A |
| 2 | 18942ER002 | Abinaya. T | 3 | 3 | 3 | 7 | 6 | 6.5 | 5 | 14.5 | 54 | 57.6 |
| 3 | 18942ER003 | Anees Fathima. S | 2 | 2 | 2 | 4 | 4 | 4 | 5 | 11 | A | A |
| 4 | 18942ER004 | Anitha. N | 2 | 2 | 2 | 4 | 4 | 4 | 5 | 11 | 42 | 44.8 |
| 5 | 18942ER005 | Deva dharshini.P | A | A | A | A | A | A | A | A | A | A |
| 6 | 18942ER006 | Dhivya. S | 3 | 3 | 3 | 7 | 7 | 7 | 5 | 15 | 56 | 59.7 |
| 7 | 18942ER007 | Divya. S | 2 | 3 | 2.5 | 5 | 5 | 5 | 5 | 12.5 | 44 | 46.9 |
| 8 | 18942ER008 | Gayathri. R | 3 | 3 | 3 | 7 | 7 | 7 | 5 | 15 | 49 | 52.3 |
| 9 | 18942ER009 | Jamunarani. R | 3 | 3 | 3 | 5 | 7 | 6 | 5 | 14 | 40 | 42.7 |
| 10 | 18942ER010 | Janetjacklin Jayanthi. A | 3 | 2 | 2.5 | 6 | 5 | 5.5 | 5 | 13 | 43 | 45.9 |
| 11 | 18942ER011 | Karpaga Pandiselvi.A | 3 | 3 | 3 | 6 | 7 | 6.5 | 5 | 14.5 | 58 | 61.9 |
| 12 | 18942ER012 | Karthika. E | 2 | 2 | 2 | 5 | 5 | 5 | 5 | 12 | 49 | 52.3 |
| 13 | 18942ER013 | Kokila. P | 3 | 4 | 3.5 | 7 | 8 | 7.5 | 5 | 16 | 59 | 62.9 |
| 14 | 18942ER014 | Kowsalya. C | 3 | 3 | 3 | 7 | 7 | 7 | 5 | 15 | 54 | 57.6 |
| 15 | 18942ER015 | Kowsalya. K | A | A | A | A | A | A | A | A | A | A |
| 16 | 18942ER016 | Krishna Priya. V | 4 | 4 | 4 | 7 | 8 | 7.5 | 5 | 16.5 | 59 | 62.9 |
| 17 | 18942ER017 | Lavanya. S | 3 | 4 | 3.5 | 7 | 7 | 7 | 5 | 15.5 | 47 | 50.1 |
| 18 | 18942ER018 | Magudeeswari. J | 4 | 4 | 4 | 7 | 8 | 7.5 | 5 | 16.5 | 53 | 56.5 |
| 19 | 18942ER019 | Malarvizhi. S | 3 | 3 | 3 | 5 | 7 | 6 | 5 | 14 | 50 | 53.3 |

| | | | | | | | | | | | | |
|----|------------|----------------------|---|---|-----|---|----|-----|---|------|----|------|
| 20 | 18942ER020 | Malathi. M | 4 | 6 | 5 | 7 | 13 | 10 | 5 | 20 | 49 | 52.3 |
| 21 | 18942ER021 | Mamtha. M | 3 | 3 | 3 | 7 | 6 | 6.5 | 5 | 14.5 | 48 | 51.2 |
| 22 | 18942ER022 | Marline. P | 2 | 4 | 3 | 5 | 7 | 6 | 5 | 14 | 49 | 52.3 |
| 23 | 18942ER023 | Mehala. A.M | A | A | A | A | A | A | A | A | A | A |
| 24 | 18942ER024 | Nagajothi . S | 2 | 3 | 2.5 | 4 | 5 | 4.5 | 5 | 12 | 42 | 44.8 |
| 25 | 18942ER025 | Nandhini .P | 2 | 3 | 2.5 | 5 | 6 | 5.5 | 5 | 13 | 48 | 51.2 |
| 26 | 18942ER026 | Nirmala .C | 2 | 3 | 2.5 | 5 | 5 | 5 | 5 | 12.5 | 58 | 61.9 |
| 27 | 18942ER027 | Nisha .K | A | A | A | A | A | A | A | A | A | A |
| 28 | 18942ER028 | Nivetha. B | 4 | 4 | 4 | 7 | 8 | 7.5 | 5 | 16.5 | 56 | 59.7 |
| 29 | 18942ER029 | Pavithra .K | 3 | 3 | 3 | 5 | 6 | 5.5 | 5 | 13.5 | 54 | 57.6 |
| 30 | 18942ER030 | Pavithra .M | 2 | 3 | 2.5 | 5 | 7 | 6 | 5 | 13.5 | 56 | 59.7 |
| 31 | 18942ER031 | Ponmani.M | 2 | 2 | 2 | 3 | 5 | 4 | 5 | 11 | 40 | 42.7 |
| 32 | 18942ER032 | Prakalya.P | 4 | 4 | 4 | 9 | 9 | 9 | 5 | 18 | 56 | 59.7 |
| 33 | 18942ER033 | Priyadharshini . P | 2 | 3 | 2.5 | 5 | 6 | 5.5 | 5 | 13 | 53 | 56.5 |
| 34 | 18942ER034 | Sakthibala . A | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 17 | 57 | 60.8 |
| 35 | 18942ER035 | Sandhiya .M | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 13 | 56 | 59.7 |
| 36 | 18942ER036 | Sangeetha.N | 2 | 3 | 2.5 | 5 | 6 | 5.5 | 5 | 13 | 53 | 56.5 |
| 37 | 18942ER037 | Santhiya Devi.S | 3 | 3 | 3 | 6 | 7 | 6.5 | 5 | 14.5 | 40 | 42.7 |
| 38 | 18942ER038 | Saratha .S | A | A | A | A | A | A | A | A | A | A |
| 39 | 18942ER039 | Sarumathi.V | 3 | 3 | 3 | 6 | 5 | 5.5 | 5 | 13.5 | 38 | 40.5 |
| 40 | 18942ER040 | Sathyadevi.R | 3 | 2 | 2.5 | 5 | 5 | 5 | 5 | 12.5 | 38 | 40.5 |
| 41 | 18942ER041 | Selvarani.S | A | A | A | A | A | A | A | A | A | A |
| 42 | 18942ER042 | Shafana Parveen .T | 3 | 4 | 3.5 | 7 | 7 | 7 | 5 | 15.5 | 47 | 50.1 |
| 43 | 18942ER043 | Shalini .V | 2 | 3 | 2.5 | 5 | 7 | 6 | 5 | 13.5 | 55 | 58.7 |
| 44 | 18942ER044 | Soundarya. D | 3 | 3 | 3 | 7 | 6 | 6.5 | 5 | 14.5 | 54 | 57.6 |
| 45 | 18942ER045 | Sri Durga Lakshmi. B | 3 | 4 | 3.5 | 7 | 7 | 7 | 5 | 15.5 | 52 | 55.5 |
| 46 | 18942ER046 | Subalakshmi .G | 3 | 3 | 3 | 5 | 7 | 6 | 5 | 14 | 45 | 48.0 |

| | | | | | | | | | | | | |
|--------------------------------|------------|--------------------|------------------------------|---|-------|---------------------------|---|---------|---------------------------------|-------|----|------------|
| 47 | 18942ER047 | Sunitha.G | 3 | 3 | 3 | 5 | 7 | 6 | 5 | 14 | 54 | 57.6 |
| 48 | 18942ER048 | Swetha.P | 2 | 3 | 2.5 | 5 | 6 | 5.5 | 5 | 13 | 45 | 48.0 |
| 49 | 18942ER049 | Thavamani.R | 2 | 2 | 2 | 4 | 5 | 4.5 | 5 | 11.5 | 40 | 42.7 |
| 50 | 18942ER050 | Vahini Jeya Shri.J | 3 | 3 | 3 | 7 | 5 | 6 | 5 | 14 | 47 | 50.1 |
| 51 | 18942ER051 | Virthika .K | 2 | 2 | 2 | 4 | 4 | 4 | 5 | 11 | 33 | 35.2 |
| 52 | 18942ER052 | Shalini.G | 3 | 3 | 3 | 5 | 6 | 5.5 | 5 | 13.5 | 50 | 53.3 |
| | | | | | 134.5 | | | 27 8 | 230 | 642.5 | | 231 4.7 |
| Attainment in Cognitive Levels | | | K1 & K2:134.5/220= 61.13% | | | K3 & K4:278/440=63.18% | | | K5 & K6:230/ 220=100 % | 14.6 | | 52.6 |

DIRECT ATTAINMENT ANALYSIS

Direct Attainment in Internal Tests: For 20%

Total Marks to be

attained: 20X44 =

880Total Marks

attained: 642.5

For 20% = 14.6

Direct Attainment in External Examination: For 80%

Total Marks to be

attained: 80X44 =

3520Total Marks to

be attained: 2314.7

For 80% = 52.6

No. of Students Appeared: 44

No.of students secured > Threshold marks: 44

% of students secured > Threshold marks: 100

Attainment Level: 3

INDIRECT ATTAINMENT ANALYSIS

| Computation of CO Indirect Attainment | | | | | |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|
| COS | CO1 | CO2 | CO3 | CO4 | CO5 |
| Feedback from Students | 5 | 2 | 3 | 5 | 1 |
| Feedback from Alumni | 3 | 5 | 3 | 4 | 6 |
| Feedback from Teachers | 17 | 18 | 19 | 16 | 18 |
| Total Respondents | 25 | 25 | 25 | 25 | 25 |
| CO Attainment Level | 2.75 | 2.67 | 2.75 | 2.67 | 2.78 |

COMPUTATION OF OVERALL ATTAINMENT OF COs

| CO | Direct CO Attainment | Indirect CO Attainment | Overall CO Attainment (0.9*DA+0.1*IDA) |
|---------------------------------|----------------------|------------------------|--|
| CO1 | 3 | 2.75 | 2.97 |
| CO2 | 3 | 2.67 | 2.96 |
| CO3 | 3 | 2.75 | 2.97 |
| CO4 | 2.8 | 2.67 | 2.78 |
| CO5 | 2.9 | 2.78 | 2.88 |
| Average Attainment Level | | | 2.91 |

CO/PO/PSO MAPPING & CORRECTIVE MEASURES TO BE TAKEN

| COs | Attainment Level | POs | Attainment Level | PSOs | Attainment Level | Suggested Corrective measures |
|-----|------------------|-----|------------------|------|------------------|--|
| CO1 | 2.97 | PO1 | 2.93 | PSO1 | 2.83 ● | Exposure to the subject to be increased. Group Discussion to be arranged. Creative attitude is encouraged. Case study to be arranged. Practical knowledge gaining encouraged |
| CO2 | 2.96 | PO2 | - | PSO2 | 2.54 ● | |
| CO3 | 2.97 | PO3 | 2.84 | PSO3 | 2.93 ● | |
| CO4 | 2.78 | PO4 | - | PSO4 | - ●● | |
| CO5 | 2.88 | PO5 | - | PSO5 | - | |
| | | PO6 | 2.71 | | | |
| | | PO7 | 2.73 | | | |

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE

Programme Specific Outcomes: (PSOs)

The Degree Programmes B.Sc., M.Sc., and M. Phil., (CS) are offered with certain Programme Specific Objectives.

| | |
|--------------|---|
| PSO1: | Acquiring basic knowledge on core concepts of Computer Science. |
| PSO2: | Ability to solve problems using programming languages and software tools. |
| PSO3: | Capable of analyzing, designing, developing, testing and implementing software systems. |
| PSO4: | Ability to communicate the technical aspects of systems with peers and customers. |
| PSO5: | Acquiring employability and entrepreneurship skills. |

Programme Outcomes (POs):

After completion of B.Sc., (CS) Programme, certain outcomes are expected from the learners.

| | |
|------------|---|
| PO1 | Designing and implementing software systems that meet specified design and performance requirements |
| PO2 | Applying advanced algorithmic and mathematical concepts to the design and analysis of software. |
| PO3 | Adhering to do higher studies or progress as an entrepreneur. |
| PO4 | Gaining confidence to survive and get succeed in IT industry. |
| PO5 | Acquiring proficiency in the practice of computing, and to prepare them for continued professional development. |
| PO6 | Applying sound principles to the synthesis and analysis of computer systems |
| PO7 | Being capable of managing databases and developing web pages. |

SEMESTER: V/ PART – III / CORE: VII / UCST52 / DATA MINING

| S.No | Course Outcomes | Levels |
|-------------|---|---------------|
| CO1 | Being aware of the functionalities, patterns, of operating System | Level – 1 |
| CO2 | Understanding the concept of classification for the retrieval purposes | Level – 2 |
| CO3 | Working out the applications of data mining | Level – 3 |
| CO4 | Discovering interesting patterns from large amounts of data to analyze and extract patterns to solve problems | Level – 6 |
| CO5 | Designing and deploying appropriate classification Techniques | Level – 6 |

CO - PO Matrix

| S.No | COs | POs | PSOs |
|-------------|---|------------|-------------|
| CO1 | Being aware of the functionalities, patterns, of operating System | 1,2,6,7 | 2,3,4 |
| CO2 | Understanding the concept of classification for the retrieval purposes | 1,2,6,7 | 2,3,4 |
| CO3 | Working out the applications of data mining | 1,2,6,7 | 2,3,4 |
| CO4 | Discovering interesting patterns from large amounts of data to analyze and extract patterns to solve problems | 1,2,6,7 | 2,3,4 |
| CO5 | Designing and deploying appropriate classification Techniques | 1,2,6,7 | 2,3,4 |

Computation of CO-PO / PSO Attainment

| COs | Programme Outcomes | | | | | | | Programme Specific Outcomes | | | | |
|------------|---------------------------|------------|------------|------------|------------|------------|------------|------------------------------------|-------------|-------------|-------------|-------------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | 2 | 2 | - | - | - | 1 | 3 | - | 2 | 3 | 1 | - |
| CO2 | 2 | 3 | - | - | - | 2 | 2 | - | 2 | 3 | 2 | - |
| CO3 | 3 | 2 | - | - | - | 2 | 3 | - | 1 | 3 | 2 | - |
| CO4 | 2 | 3 | - | - | - | 2 | 3 | - | 2 | 3 | 2 | - |
| CO5 | 3 | 2 | - | - | - | 2 | 1 | - | 2 | 1 | 1 | - |
| AVG | 2 | 2.4 | - | - | - | 2 | 2 | - | 2 | 2.6 | 2 | - |
| WA | 2 | 2 | | | | 2 | 2 | | 2 | 2 | 2 | |

DIRECT ATTAINMENT IN CIA & CE / DATA MINING

| S.N | Reg. No | Name of the Student | Attainment in K1 & K2 | | | Attainment in K3 & K4 | | | Attainment in K5&K6 | DA in CIA 20% | CE (75) | DA in CE 80% |
|-----|------------|---------------------|--------------------------------|---------------------------------|------------------|----------------------------------|-----------------------------------|------------------|---------------------|---------------|---------|--------------|
| | | | I CIA Objective Questions (05) | II CIA Objective Questions (05) | Cumulative Marks | I CIA Descriptive Questions (10) | II CIA Descriptive Questions (10) | Cumulative Marks | Assignment (5) | | | |
| 1. | 18926ER001 | Aarthi S | 2 | 3 | 2.5 | 5 | 6 | 5.5 | 4 | 12 | 50 | 53.3 |
| 2. | 18926ER002 | Aparnaa K | 4 | 3 | 3.5 | 5 | 6 | 5.5 | 5 | 14 | 60 | 64 |
| 3. | 18926ER003 | Balabharathi M | 3 | 4 | 3.5 | 6 | 7 | 6.5 | 5 | 15 | 51 | 54.4 |
| 4. | 18926ER004 | Dharshini K | 2 | 3 | 2.5 | 5 | 6 | 5.5 | 5 | 13 | 53 | 56.5 |
| 5. | 18926ER005 | Gowsalya V | 4 | 3 | 3.5 | 6 | 7 | 6.5 | 5 | 15 | 61 | 65 |
| 6. | 18926ER006 | Hemavarshini N | 3 | 4 | 3.5 | 6 | 8 | 7 | 5 | 15.5 | 62 | 66.1 |
| 7. | 18926ER007 | Jasmine Leena D | A | A | A | A | A | A | A | A | A | A |
| 8. | 18926ER008 | Jemsitha Nilofer J | 4 | 3 | 3.5 | 5 | 6 | 5.5 | 4 | 13 | 55 | 58.6 |
| 9. | 18926ER009 | Kanchana S | 2 | 3 | 2.5 | 6 | 5 | 5.5 | 5 | 13 | 53 | 56.5 |
| 10 | 18926ER010 | Karthika P | 3 | 2 | 2.5 | 5 | 7 | 6 | 5 | 13.5 | 51 | 54.4 |
| 11 | 18926ER011 | Kaviya M | 2 | 3 | 2.5 | 7 | 5 | 6 | 5 | 13.5 | 57 | 60.8 |
| 12 | 18926ER012 | Mahanandhini S | A | A | A | A | A | A | A | A | A | A |
| 13 | 18926ER013 | Megala N | A | A | A | A | A | A | A | A | A | A |
| 14. | 18926ER014 | Mursitha Parveen S | 2 | 3 | 2.5 | 5 | 6 | 5.5 | 3 | 11 | 52 | 55.4 |
| 15. | 18926ER015 | Muthumeenatchi T | 4 | 3 | 3.5 | 5 | 7 | 6 | 5 | 14.5 | 61 | 65 |
| 16. | 18926ER016 | Muthu Priya A | 3 | 4 | 3.5 | 7 | 5 | 6 | 5 | 14.5 | 62 | 66.1 |
| 17. | 18926ER017 | Narmatha M | 4 | 3 | 3.5 | 5 | 7 | 6 | 5 | 14.5 | 53 | 56.5 |
| 18. | 18926ER018 | Nirmala M | 3 | 4 | 3.5 | 5 | 7 | 6 | 5 | 14.5 | 55 | 58.6 |

| | | | | | | | | | | | | |
|--------------------------------|------------|------------------|--------------------------|---|-----|---------------------------|---|-----|------------------------------------|------|----|------|
| 19. | 18926ER019 | Parameshwari S | 3 | 4 | 3.5 | 6 | 7 | 6.5 | 5 | 15 | 62 | 66.1 |
| 20. | 18926ER020 | Pavithra M | 2 | 4 | 3 | 5 | 9 | 7 | 4 | 14 | 54 | 57.6 |
| 21. | 18926ER021 | Pavithra S | 3 | 4 | 3.5 | 5 | 9 | 7 | 4 | 14.5 | 49 | 52.2 |
| 22. | 18926ER022 | Priya R | 4 | 3 | 3.5 | 5 | 7 | 6 | 5 | 14.5 | 56 | 59.7 |
| 23. | 18926ER023 | Rega R | 3 | 4 | 3.5 | 6 | 5 | 5.5 | 5 | 14 | 46 | 49 |
| 24. | 18926ER024 | Sabitha N | 3 | 4 | 3.5 | 5 | 6 | 5.5 | 4 | 13 | 52 | 55.4 |
| 25. | 18926ER025 | Sandhiya T | 2 | 3 | 2.5 | 5 | 7 | 6 | 5 | 13.5 | 51 | 54.4 |
| 26. | 18926ER026 | Sangeetha J | 4 | 3 | 3.5 | 6 | 5 | 5.5 | 5 | 15 | 52 | 55.4 |
| 27. | 18926ER027 | Sarathamani R | 3 | 4 | 3.5 | 5 | 6 | 5.5 | 5 | 15 | 56 | 59.7 |
| 28. | 18926ER028 | Sasikala M | A | A | A | A | A | A | A | A | A | A |
| 29. | 18926ER029 | Sathya Sri T | A | A | A | A | A | A | A | A | A | A |
| 30. | 18926ER030 | Shanmuga Priya T | 4 | 3 | 3.5 | 5 | 7 | 6 | 5 | 14.5 | 58 | 61.8 |
| 31. | 18926ER031 | Sujitha S | 3 | 4 | 3.5 | 6 | 5 | 5.5 | 5 | 14 | 61 | 65 |
| 32. | 18926ER032 | Suriya Prabha S | 2 | 3 | 2.5 | 5 | 6 | 5.5 | 3 | 11 | 61 | 65 |
| 33. | 18926ER033 | Swetha M | 4 | 3 | 3.5 | 5 | 6 | 5.5 | 5 | 14 | 57 | 60.8 |
| 34. | 18926ER034 | Tamilselvi J | 3 | 4 | 3.5 | 5 | 7 | 6 | 5 | 14.5 | 59 | 62.9 |
| 35. | 18926ER035 | Tharani C | 2 | 3 | 2.5 | 6 | 7 | 6.5 | 5 | 14 | 57 | 60.8 |
| 36. | 18926ER036 | Vaishnavi B | A | A | A | A | A | A | A | A | A | A |
| 37. | 18926ER037 | Yuvashree R | 3 | 4 | 3.5 | 6 | 7 | 6.5 | 5 | 15 | 57 | 60.8 |
| Attainment in Cognitive Levels | | | K1 & K2: 99/155=63.8% | | | K3 & K4: 185/310=59.6% | | | K5 & K6: 146/155 = 94.1 % | 13.9 | | 59.2 |

DIRECT ATTAINMENT ANALYSIS

Direct Attainment in Internal Tests: For 20%

Total Marks to be

attained: $20 \times 31 = 620$

Total Marks attained:

432

For 20% = 13.9

Direct Attainment in External Examination: For 80%

Total Marks to be

attained: $80 \times 31 = 2480$

Total Marks to be

attained: 1837.8

For 80% = 59.2

No. of Students Appeared: 31

No. of students secured > Threshold marks: 31

% of students secured > Threshold marks: 100

Attainment Level: 3

INDIRECT ATTAINMENT ANALYSIS

| Computation of CO Indirect Attainment | | | | | |
|---------------------------------------|-----|-----|-----|-----|-----|
| COS | CO1 | CO2 | CO3 | CO4 | CO5 |

| | | | | | |
|------------------------|------|------|------|------|------|
| Feedback from Students | 3 | 2 | 3 | 2 | 3 |
| Feedback from Alumni | 5 | 4 | 3 | 4 | 4 |
| Feedback from Teachers | 16 | 17 | 17 | 16 | 17 |
| Total Respondents | 24 | 23 | 23 | 22 | 24 |
| CO Attainment Level | 2.59 | 2.75 | 2.69 | 2.65 | 2.78 |

COMPUTATION OF OVERALL ATTAINMENT OF COs

| CO | Direct CO Attainment | Indirect CO Attainment | Overall CO Attainment (0.9*DA+0.1*IDA) |
|--------------------------|----------------------|------------------------|--|
| CO1 | 2.9 | 2.59 | 2.86 |
| CO2 | 3 | 2.75 | 2.97 |
| CO3 | 2.8 | 2.69 | 2.78 |
| CO4 | 3 | 2.65 | 2.96 |
| CO5 | 3 | 2.78 | 2.97 |
| Average Attainment Level | | | 2.93 |

CO/PO/PSO MAPPING & CORRECTIVE MEASURES TO BE TAKEN

| COs | Attainment Level | POs | Attainment Level | PSOs | Attainment Level | Suggested Corrective Measures |
|-----|------------------|-----|------------------|------|------------------|--|
| CO1 | 2.86 | PO1 | 2.67 | PSO1 | - | To improve organizational decision-making. To apply pre-processing statistical methods. To implement new-adopted methodologies. To learn emerging applications. |
| CO2 | 2.97 | PO2 | 2.92 | PSO2 | 2.74 | |
| CO3 | 2.78 | PO3 | - | PSO3 | 2.83 | |
| CO4 | 2.96 | PO4 | - | PSO4 | 2.91 | |
| CO5 | 2.97 | PO5 | - | PSO5 | - | |
| | | PO6 | 2.72 | | | |
| | | PO7 | 2.78 | | | |

PG & RESEARCH DEPARTMENT OF CHEMISTRY

Programme Specific Outcomes: (PSOs)

At the end of the B.Sc., / M.Sc., & M.Phil., (Chemistry) Degree Programme, the students will be able

| | |
|-------------|--|
| PSO1 | To import fundamental knowledge in the field of chemistry . |
| PSO2 | The theory and practical aspect of the subject augment the abilitiy of the learner to understand the implication of scientific and technical approaches involved in the domain of the knowledge. |
| PSO3 | To mould the learner into prospective skilful scientific work force for the future. |
| PSO4 | To use modern chemical tools , Models , Chem-draw , Chats and equipments |
| PSO5 | To develop research oriented skills. |

Programme Outcomes (POs):

On successful completion of the B.Sc., Chemistry Programme, certain outcomes are expected from the learners.

| | |
|------------|--|
| PO1 | Knowing the fundamental concepts of Chemistry |
| PO2 | Studying the electronic configuration of periodic elements. |
| PO3 | Evaluating the basic foundation of the underlying principles and laws gaseous molecules. |
| PO4 | Pursuing post-graduate course in various branches of Chemistry |
| PO5 | Analyzing the scientific problems and experiments creatively and critically. |
| PO6 | Developing research oriented skills |
| PO7 | Becoming professionals or entrepreneurs in the fields related to the subject of Chemistry. |

SEMESTER: IV PART – III / ELECTIVE - II / UCHE42 / MEDICINAL CHEMISTRY

| S.No | Course Outcomes | Levels |
|-------------|---|---------------|
| CO1 | Understanding the basic concepts and strategies in drug design and Synthesis | Level - 2 |
| CO2 | Providing the preliminary introduction to vitamins and their Classification | Level - 1 |
| CO3 | Using an understanding of sulpha drugs and antimalarial activity | Level - 3 |
| CO4 | Working out the knowledge on Anesthetics drugs, antibiotics and their synthesis | Level - 6 |
| CO5 | Practising the gained knowledge on an aesthetics in daily life | Level – 6 |

CO - PO Matrix

| S.No | Cos | Pos | PSOs |
|-------------|---|------------|-------------|
| CO1 | Understanding the basic concepts and strategies in drug design and Synthesis | 1,2,3,4 | 1,2,3 |
| CO2 | Providing the preliminary introduction to vitamins and their Classification | 1,2,3,4 | 1,2,3 |
| CO3 | Using an understanding of sulpha drugs and antimalarial activity | 1,2,3,4 | 1,2,3 |
| CO4 | Working out the knowledge on Anesthetics drugs, antibiotics and their synthesis | 1,2,3,4 | 1,2,3 |
| CO5 | Practising the gained knowledge on anaesthetics in daily life | 1,2,3,4 | 1,2,3 |

Computation of CO-PO / PSO Attainment

| COs | Programme Outcomes | | | | | | | Programme Specific Outcomes | | | | |
|------------|---------------------------|------------|------------|------------|------------|------------|------------|------------------------------------|-------------|-------------|-------------|-------------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | 3 | 2 | - | - | 2 | 3 | - | 3 | 2 | - | - | 3 |
| CO2 | 2 | 2 | - | - | 2 | 2 | - | 2 | 3 | - | - | 2 |
| CO3 | 1 | 2 | - | - | 3 | 3 | - | 3 | 1 | - | - | 2 |
| CO4 | 2 | 1 | - | - | 2 | 3 | - | 2 | 3 | - | - | 1 |
| CO5 | 3 | 2 | - | - | 1 | 2 | - | 3 | 2 | - | - | 3 |
| AVG | 2.2 | 1.8 | - | - | 2.0 | 2.6 | - | 2.6 | 2.2 | - | - | 2.2 |

| | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|--|---|
| WA | 2 | 2 | - | - | 2 | 3 | - | 3 | 2 | | 2 |
|----|---|---|---|---|---|---|---|---|---|--|---|

DIRECT ATTAINMENT IN CIA & CE / MEDICINAL CHEMISTRY

| S.No | Reg. No. | Name | Attainment in K1 & K2 | | | Attainment in K3 & K4 | | | Attainment in K5 & K6 | DA in CIA 20% | CE (75) | DA in CE 80% |
|------|------------|----------------|--------------------------------|---------------------------------|------------------|----------------------------------|-----------------------------------|------------------|-----------------------|---------------|---------|--------------|
| | | | I CIA Objective Questions (05) | II CIA Objective Questions (05) | Cumulative Marks | I CIA Descriptive Questions (10) | II CIA Descriptive Questions (10) | Cumulative Marks | Assignment (5) | | | |
| 1. | 18923ER001 | Ahallya.B | 3 | 5 | 4 | 9 | 7 | 8 | 5 | 17 | 63 | 67.2 |
| 2. | 18923ER002 | Celsiya.J | 5 | 5 | 5 | 7 | 9 | 10 | 5 | 20 | 69 | 73.6 |
| 3. | 18923ER003 | Deepiga.G | 4 | 5 | 4.5 | 9 | 8 | 8.5 | 5 | 18 | 69 | 73.6 |
| 4. | 18923ER004 | Deepika.S | 5 | 4 | 4.5 | 7 | 8 | 7.5 | 5 | 17 | 66 | 70.4 |
| 5. | 18923ER005 | Dharshini.S | 3 | 3 | 3 | 7 | 10 | 8.5 | 5 | 16.5 | 66 | 70.4 |
| 6. | 18923ER006 | Durga Devi.M | 5 | 5 | 5 | 5 | 4 | 4.5 | 5 | 14.5 | 60 | 64.0 |
| 7. | 18923ER007 | Felcy.S | 2 | 3 | 2.5 | 8 | 6 | 7 | 5 | 14.5 | 54 | 57.6 |
| 8. | 18923ER008 | Gayathri.G | 5 | 5 | 5 | 8 | 8 | 8 | 5 | 18 | 69 | 73.6 |
| 9. | 18923ER009 | Gayathri.T | 4 | 5 | 4.5 | 7 | 8 | 7.5 | 5 | 17 | 66 | 70.4 |
| 10. | 18923ER010 | Geetha.P | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 75 | 80.0 |
| 11. | 18923ER011 | Girija.K | 4 | 4 | 4 | 10 | 10 | 10 | 5 | 19 | 72 | 76.8 |
| 12. | 18923ER012 | Hemamalini.M | 4 | 5 | 4.5 | 9 | 8 | 8.5 | 5 | 18 | 69 | 73.6 |
| 13. | 18923ER013 | Ishwariya.M | 5 | 4 | 4.5 | 10 | 10 | 10 | 5 | 19.5 | 72 | 76.8 |
| 14. | 18923ER014 | Ishwarya.M | 4 | 2 | 3 | 10 | 9 | 9.5 | 5 | 17.5 | 69 | 73.6 |
| 15. | 18923ER015 | Jasmine Roja.S | 5 | 5 | 5 | 7 | 8 | 7.5 | 5 | 17.5 | 69 | 73.6 |

| | | | | | | | | | | | | |
|-----|------------|--------------------|---|---|-----|----|----|-----|---|------|----|------|
| 16. | 18923ER016 | Kanimozhi.M | 2 | 3 | 2.5 | 8 | 4 | 6 | 5 | 13.5 | 57 | 60.8 |
| 17. | 18923ER017 | Karthikayani.K | 4 | 5 | 4.5 | 7 | 7 | 7 | 5 | 16.5 | 66 | 70.4 |
| 18. | 18923ER018 | Krishnaveni.K | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 75 | 80.0 |
| 19. | 18923ER019 | Lakshmi.P | 2 | 4 | 3 | 10 | 9 | 9.5 | 5 | 17.5 | 69 | 73.6 |
| 20. | 18923ER020 | Leelasri.C | 3 | 4 | 3.5 | 7 | 9 | 8 | 5 | 16.5 | 66 | 70.4 |
| 21. | 18923ER021 | Madhumika.E | 4 | 5 | 4.5 | 9 | 7 | 8 | 5 | 17.5 | 69 | 73.6 |
| 22. | 18923ER022 | Mahalakshmi.C | 4 | 4 | 4 | 6 | 4 | 5 | 5 | 14 | 57 | 60.8 |
| 23. | 18923ER023 | Mariyammal.A | 3 | 4 | 3.5 | 7 | 8 | 7.5 | 5 | 16 | 63 | 67.2 |
| 24. | 18923ER024 | Marutha Manju.S | 4 | 5 | 4.5 | 10 | 10 | 10 | 5 | 19.5 | 72 | 76.8 |
| 25. | 18923ER025 | Mohanapriya.P | 5 | 5 | 5 | 8 | 8 | 8 | 5 | 18 | 69 | 73.6 |
| 26. | 18923ER026 | Mounika.S | 5 | 5 | 5 | 10 | 10 | 10 | 5 | 20 | 75 | 80.0 |
| 27. | 18923ER027 | Murugeswari.T | 2 | 5 | 3.5 | 10 | 7 | 8.5 | 5 | 17 | 66 | 70.4 |
| 28. | 18923ER028 | Pavithra.B | 4 | 5 | 4.5 | 10 | 10 | 10 | 5 | 19.5 | 75 | 80.0 |
| 29. | 18923ER029 | Pavithra.C | 2 | 4 | 3 | 6 | 4 | 5 | 4 | 12 | 54 | 57.6 |
| 30. | 18923ER030 | Pavithra.P | 2 | 4 | 3 | 1 | 5 | 3 | 4 | 10 | 42 | 44.8 |
| 31. | 18923ER031 | Pradeepa.G | 5 | 5 | 5 | 6 | 5 | 5.5 | 5 | 15.5 | 63 | 67.2 |
| 32. | 18923ER032 | Prathiba.S | 5 | 5 | 5 | 8 | 7 | 7.5 | 5 | 17.5 | 69 | 73.6 |
| 33. | 18923ER033 | Preetha.M | 3 | 2 | 2.5 | 8 | 9 | 8.5 | 5 | 16 | 63 | 67.2 |
| 34. | 18923ER034 | Rajeswari.M | 4 | 5 | 4.5 | 5 | 6 | 5.5 | 5 | 15 | 60 | 64.0 |
| 35. | 18923ER035 | Rengalakshmi. D | 5 | 4 | 4.5 | 8 | 8 | 8 | 5 | 17.5 | 69 | 73.6 |
| 36. | 18923ER036 | Rojashri.R | 4 | 5 | 4.5 | 4 | 6 | 5 | 5 | 14.5 | 60 | 64.0 |
| 37. | 18923ER037 | Sameerabanu.S | 2 | 5 | 3.5 | 10 | 10 | 10 | 5 | 18.5 | 72 | 76.8 |
| 38. | 18923ER038 | Sangeetha.R | 3 | 4 | 3.5 | 7 | 8 | 7.5 | 5 | 16 | 63 | 67.2 |
| 39. | 18923ER039 | Sasikala.T | 4 | 3 | 3.5 | 4 | 8 | 6 | 5 | 14.5 | 60 | 64.0 |

| | | | | | | | | | | | | |
|-----|------------|----------------------|---|---|-------|----|----|-----|-----|-------|----|--------|
| 40. | 18923ER040 | Sathiyalakshmi .S | 4 | 5 | 4.5 | 8 | 6 | 7 | 5 | 16.5 | 66 | 70.4 |
| 41. | 18923ER041 | Shalini.S | 2 | 3 | 2.5 | 10 | 10 | 10 | 5 | 17.5 | 69 | 73.6 |
| 42. | 18923ER042 | Sivasri.M | 4 | 5 | 4.5 | 8 | 8 | 8 | 5 | 17.5 | 69 | 73.6 |
| 43. | 18923ER043 | Sneka.S | 4 | 5 | 4.5 | 5 | 8 | 6.5 | 5 | 16 | 60 | 64.0 |
| 44. | 18923ER044 | Subaranjani.A | 3 | 3 | 3 | 10 | 10 | 10 | 5 | 18 | 66 | 70.4 |
| 45. | 18923ER045 | Suganthi.M | 5 | 4 | 4.5 | 6 | 8 | 7 | 5 | 16.5 | 66 | 70.4 |
| 46. | 18923ER046 | Suhasini.K | 4 | 5 | 4.5 | 8 | 8 | 8 | 5 | 17.5 | 69 | 73.6 |
| 47. | 18923ER047 | Suruthi .S | 4 | 5 | 4.5 | 10 | 9 | 9.5 | 5 | 19 | 72 | 76.8 |
| 48. | 18923ER048 | Swathika.A | 2 | 3 | 2.5 | 10 | 9 | 9.5 | 5 | 17 | 69 | 73.6 |
| 49. | 18923ER049 | Swetha.M | 3 | 4 | 3.5 | 4 | 8 | 6 | 5 | 14.5 | 60 | 64.0 |
| 50. | 18923ER050 | Syed Ali Fathima .H | 4 | 5 | 4.5 | 10 | 10 | 10 | 5 | 19.5 | 75 | 80.0 |
| 51. | 18923ER051 | Tamilarasi.P | 4 | 5 | 4.5 | 9 | 7 | 8 | 5 | 17.5 | 69 | 73.6 |
| 52. | 18923ER052 | Thenmozhi.P | 3 | 4 | 3.5 | 10 | 5 | 7.5 | 4 | 15 | 69 | 73.6 |
| 53. | 18923ER053 | Veerammal.M | 4 | 5 | 4.5 | 4 | 7 | 5.5 | 5 | 15 | 60 | 64.0 |
| 54. | 18923ER054 | Vidhya.N | A | A | A | A | A | A | A | A | A | A |
| 55. | 18923ER055 | Vidhyanishand hini.J | 2 | 4 | 3 | 10 | 10 | 10 | 5 | 18 | 69 | 73.6 |
| 56. | 18923ER056 | Vinitha.V | 4 | 5 | 4.5 | 5 | 6 | 5.5 | 5 | 15 | 60 | 64.0 |
| 57. | 18923ER057 | Vinthiya.P | 3 | 2 | 2.5 | 4 | 9 | 6.5 | 5 | 14 | 57 | 60.8 |
| 58. | 18923ER058 | Yashini.R | 3 | 3 | 3 | 3 | 9 | 6 | 5 | 14 | 57 | 60.8 |
| 59. | 18923ER059 | Yuvashree.K | 4 | 3 | 3.5 | 4 | 3 | 3.5 | 5 | 12 | 48 | 51.2 |
| | | | | | 231.5 | | | 448 | 287 | 966.5 | | 4044.8 |

| | | | | | | |
|--------------------------------|------------------------------|-----------------------------|--|-------|--|-------|
| Attainment in Cognitive Levels | K1 & K2: 231.5/290 =79.6% | K3 & K4: 448/580 = 77.2% | K5 & K6: 287/2 90 =98.9 % | 16.66 | | 69.73 |
|--------------------------------|------------------------------|-----------------------------|--|-------|--|-------|

DIRECT ATTAINMENT ANALYSIS

Direct Attainment in Internal Tests: For 20%

Total Marks to be
attained: 20X58 = 1160

Total Marks attained:
966.5

For 20% = 16.66

Direct Attainment in External Examination: For 80%

Total Marks to be
attained: 80X58= 4640

Total Marks to be
attained: 4044.8

For 80% = 69.73

No. of Students Appeared: 58

No.of students secured> Threshold marks: 58

% of students secured>

Threshold marks: 100

86.39>60:100

Attainment Level: 3

INDIRECT ATTAINMENT ANALYSIS

| Computation of CO Indirect Attainment | | | | | |
|---------------------------------------|-----|-----|-----|-----|-----|
| COS | CO1 | CO2 | CO3 | CO4 | CO5 |
| Feedback from Students | 4 | 4 | 2 | 2 | 2 |
| Feedback from Alumni | 3 | 5 | 4 | 3 | 3 |

| | | | | | |
|------------------------|------|------|------|------|------|
| Feedback from Teachers | 11 | 15 | 17 | 18 | 18 |
| Total Respondents | 23 | 23 | 23 | 23 | 23 |
| CO Attainment Level | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 |

COMPUTATION OF OVERALL ATTAINMENT OF COs

| CO | Direct CO Attainment | Indirect CO Attainment | Overall CO Attainment (0.9*DA+0.1*IDA) |
|---------------------------------|----------------------|------------------------|--|
| CO1 | 3 | 2.69 | 2.96 |
| CO2 | 3 | 2.69 | 2.96 |
| CO3 | 3 | 2.69 | 2.96 |
| CO4 | 2.9 | 2.69 | 2.88 |
| CO5 | 2.9 | 2.69 | 2.88 |
| Average Attainment Level | | | 2.92 |

CO/PO/PSO MAPPING & CORRECTIVE MEASURES TO BE TAKEN

| COs | Attainment Level | POs | Attainment Level | PSOs | Attainment Level | Suggested Corrective measures |
|-----|------------------|-----|------------------|------|------------------|--|
| CO1 | 2.96 | PO1 | 2.93 | PSO1 | 2.93 | Exposure to the subject to be increased. Group discussion on the texts advised. Innovative teaching is encouraged. Special lectures to be arranged. |
| CO2 | 2.96 | PO2 | 2.93 | PSO2 | 2.93 | |
| CO3 | 2.96 | PO3 | 2.73 | PSO3 | 2.73 | |
| CO4 | 2.88 | PO4 | 2.83 | PSO4 | - | |
| CO5 | 2.88 | PO5 | - | PSO5 | - | |
| | | PO6 | - | | | |
| | | PO7 | - | | | |

DEPARTMENT OF COMPUTER APPLICATIONS

Programme Specific Outcomes: (PSOs)

At the end of the BCA., Degree Programme, the student will be able to

| | |
|--------------|--|
| PSO1: | Imparting the necessary technical, scientific as well as basic managerial and financial procedures to analyze and solve real world problems within their work domain |
| PSO2: | Bringing in clarity on both conceptual and application oriented skills in commerce, Finance & Accounting and IT Applications in Business context. |
| PSO3: | Improving communication and business management skills, especially in providing technical support. |
| PSO4: | Creating awareness on ethics, values, sustainability and creativity aspects. |
| PSO5: | Inculcating the ability and the mindset to continuously update and innovate. |

Programme Outcomes (POs):

On successful completion of BCA., programme, the students would have

| | |
|------------|---|
| PO1 | To apply fundamental knowledge of mathematics and Principles of Computing techniques to solve the problems in computer science and application areas. |
| PO2 | To analyse a computing requirement and apply programming principles for providing effective solutions. |
| PO3 | To design an innovative interface method to bring the complete requirement and visualize the result for decision making. |
| PO4 | To investigate and apply modern tools and technologies in the construction of software system. |
| PO5 | To practice team communication, effective management and Interpersonal skill for the successful computing professional and entrepreneur. |
| PO6 | To apply contextual knowledge of professional, ethical, legal, and security to assess societal, health, legal and cultural issues. |
| PO7 | To extend enthusiasm for self-improvement through continuous professional development and life-long learning. |

SEMESTER: V / PART – III / CORE: VII / UCAT51 / COMPUTER ARCHITECTURE

| S.No | Course Outcomes | Levels |
|-------------|---|---------------|
| CO1 | Identifying design levels for computer system development | Level-1 |
| CO2 | Understanding the internal processing system and procedure of the Computer. | Level-2 |
| CO3 | Analyzing some of the design issues in terms of speed, technology, cost, performance. | Level-4 |
| CO4 | Evaluating the historical development of computer systems | Level-5 |
| CO5 | Recognizing and dealing with high performance architecture design | Level-6 |

CO - PO Matrix

| S.No | COs | POs | PSOs |
|-------------|---|------------|-------------|
| CO1 | Identifying design levels for computer system development | 1,3,4,5 | 2,4,5 |
| CO2 | Understanding the internal processing system and procedure of the Computer. | 1,3,4,5 | 2,4,5 |
| CO3 | Analyzing some of the design issues in terms of speed, technology, cost, performance. | 1,3,4,5 | 2,4,5 |
| CO4 | Evaluating the historical development of computer systems | 1,3,4,5 | 2,4,5 |
| CO5 | Recognizing and dealing with high performance architecture design | 1,3,4,5 | 2,4,5 |

Computation of CO-PO / PSO Attainment

| COs | Programme Outcomes | | | | | | | Programme Specific Outcomes | | | | |
|------------|---------------------------|------------|------------|------------|------------|------------|------------|------------------------------------|-------------|-------------|-------------|-------------|
| | PO 1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | 2 | - | 2 | 1 | 2 | - | - | - | 3 | - | 2 | 1 |
| CO2 | 2 | - | 3 | 2 | 3 | - | - | - | 2 | - | 3 | 3 |
| CO3 | 3 | - | 3 | 2 | 2 | - | - | - | 2 | - | 2 | 2 |
| CO4 | 3 | - | 1 | 3 | 3 | - | - | - | 1 | - | 3 | 2 |
| CO5 | 3 | - | 3 | 3 | 3 | - | - | - | 3 | - | 2 | 3 |
| AVG | 2.6 | | 2.4 | 2.2 | 2.6 | - | | - | 2.2 | - | 2.4 | 2.2 |
| WA | 2 | | 2 | 2 | 2 | | | | 2 | | 2 | 2 |

DIRECT ATTAINMENT IN CIA & CE / COMPUTER ARCHITECTURE

| S. N | Reg. No | Name of the Student | Attainment in K1 & K2 | | | Attainment in K3 & K4 | | | Attainment in K5&K6 | DA in CIA 20% | CE (75) | DA in CE 80% |
|------|------------|---------------------|-----------------------|-----------------------|------------------|--------------------------|-----------------------------|------------------|---------------------|---------------|---------|--------------|
| | | | I CIA Obj. Qtns (05) | II CIA Obj. Qtns (05) | Cumulative Marks | I CIA Descrip. Qtns (10) | II CIA Descrip. e Qtns (10) | Cumulative Marks | Assignment (5) | | | |
| 1. | 18945ER001 | Annakamu.N | 4 | 3 | 3.5 | 5 | 5 | 5 | 5 | 13.5 | 59 | 62.9 |
| 2. | 18945ER002 | Arun Nandhini.S.V. | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 13 | 61 | 65.0 |
| 3. | 18945ER003 | Asmath Nasreen.K.M. | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 13 | 66 | 70.4 |
| 4. | 18945ER004 | Benazir Banu.B | 4 | 3 | 3.5 | 6 | 6 | 6 | 5 | 14.5 | 66 | 70.4 |
| 5. | 18945ER005 | Bowmithabanu.M | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 13 | 67 | 71.4 |
| 6. | 18945ER006 | Elakkiya.S | 4 | 3 | 3.5 | 6 | 6 | 6 | 4 | 13.5 | 65 | 69.3 |
| 7. | 18945ER007 | Gayathri.R | 4 | 3 | 3.5 | 5 | 6 | 5.5 | 5 | 14 | 63 | 67.2 |
| 8. | 18945ER008 | Geethalakshmi.K | 3 | 3 | 3 | 6 | 5 | 5.5 | 5 | 13.5 | 65 | 69.3 |
| 9. | 18945ER009 | Habinishitha.K | 3 | 3 | 3 | 6 | 6 | 6 | 5 | 14 | 66 | 70.4 |
| 10. | 18945ER010 | Indhumathi.P | 4 | 3 | 3.5 | 5 | 5 | 5 | 4 | 12.5 | 60 | 64 |
| 11. | 18945ER011 | Jahira Mahabuba.M | 4 | 4 | 4 | 6 | 5 | 5.5 | 5 | 14.5 | 48 | 51.2 |
| 12. | 18945ER012 | Jancirani.M | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 13 | 63 | 67.2 |
| 13. | 18945ER013 | Jayanthi.P | 4 | 3 | 3.5 | 5 | 5 | 5 | 4 | 12.5 | 69 | 73.6 |
| 14. | 18945ER014 | Karthika.A | 3 | 2 | 2.5 | 6 | 6 | 6 | 4 | 12.5 | 58 | 61.8 |
| 15. | 18945ER015 | Kowsalya.B | 4 | 4 | 4 | 5 | 5 | 5 | 3 | 12 | 65 | 69.3 |
| 16. | 18945ER016 | Mohanapriya.R | 4 | 3 | 3.5 | 6 | 6 | 6 | 5 | 14.5 | 67 | 71.4 |
| 17. | 18945ER017 | Nandhini.M | 3 | 3 | 3 | 7 | 5 | 6 | 4 | 13 | 65 | 69.3 |
| 18. | 18945ER018 | Nilofarnisha.N | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 14 | 63 | 67.2 |
| 19. | 18945ER019 | Ponnarasi.P | A | A | A | A | A | A | A | A | A | A |
| 20. | 18945ER020 | Premalatha.G | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 14 | 62 | 66.1 |
| 21. | 18945ER021 | Priyadharshini.M | 3 | 3 | 3 | 6 | 6 | 6 | 5 | 14 | 68 | 72.5 |

| | | | | | | | | | | | | |
|--------------------------------|------------|------------------|--------------------------|----|-----|------------------------------|---|-----|----------------------------|------|----|-----------|
| 22. | 18945ER022 | Rohini.V | A | A | A | A | A | A | A | A | A | A |
| 23. | 18945ER023 | Sabana Begam.M | 4 | 3 | 3.5 | 6 | 6 | 6 | 5 | 14.5 | 66 | 70.4 |
| 24. | 18945ER024 | Safika Fathima.K | 4 | 3 | 3.5 | 6 | 6 | 6 | 4 | 13.5 | 59 | 62.9 |
| 25. | 18945ER025 | Sasikala.S | 4 | 3 | 3.5 | 5 | 5 | 5 | 4 | 12.5 | 50 | 53.3 |
| 26. | 18945ER026 | Sathya.M | 4 | 3. | 3.5 | 5 | 5 | 5 | 4 | 12.5 | 50 | 53.3 |
| 27. | 18945ER027 | Shakthi Priya. S | 3 | 2 | 2.5 | 7 | 6 | 6.5 | 5 | 14 | 55 | 58.6 |
| 28. | 18945ER028 | Sowndarya.G | A | A | A | A | A | A | A | A | A | A |
| 29. | 18945ER029 | Sowparnika.K.V. | 3 | 3 | 3 | 7 | 6 | 6.5 | 5 | 14.5 | 50 | 53.3 |
| 30. | 18945ER030 | Uma Devi.D | 4 | 3 | 3.5 | 6 | 5 | 5.5 | 5 | 14 | 49 | 52.2 |
| 31. | 18945ER031 | Vinitha.M | 4 | 2 | 3 | 5 | 6 | 5.5 | 5 | 13.5 | 55 | 58.6 |
| Attainment in Cognitive Levels | | | K1 & K2: 97/140=69.28 | | | K3 & K4: 154.5/280=55.17% | | | K5 & K6: 126/140=90% | 13.5 | | 64.7 3 |

DIRECT ATTAINMENT ANALYSIS

Direct Attainment in Internal Tests: For 20%

Total Marks to be
attained: $20 \times 28 = 560$
Total Marks attained:
377.5

For 20% = 13.5

Direct Attainment in External Examination: For 80%

Total Marks to be
attained: $80 \times 28 = 2240$
Total Marks to be
attained: 1812.5

For 80% = 64.73

No. of Students Appeared: 28

No. of students secured > Threshold marks: 28

% of students secured > Threshold marks: 100

Attainment Level: 3

INDIRECT ATTAINMENT ANALYSIS

| Computation of CO Indirect Attainment | | | | | |
|---------------------------------------|------|------|------|------|------|
| COS | CO1 | CO2 | CO3 | CO4 | CO5 |
| Feedback from Students | 3 | 3 | 2 | 2 | 3 |
| Feedback from Alumni | 3 | 4 | 5 | 5 | 2 |
| Feedback from Teachers | 16 | 16 | 15 | 16 | 17 |
| Total Respondents | 22 | 23 | 22 | 23 | 22 |
| CO Attainment Level | 2.58 | 2.65 | 2.69 | 2.75 | 2.78 |

COMPUTATION OF OVERALL ATTAINMENT OF COs

| CO | Direct CO Attainment | Indirect CO Attainment | Overall CO Attainment (0.9*DA+0.1*IDA) |
|--------------------------|----------------------|------------------------|--|
| CO1 | 2.9 | 2.58 | 2.86 |
| CO2 | 3 | 2.75 | 2.97 |
| CO3 | 3 | 2.69 | 2.96 |
| CO4 | 2.9 | 2.65 | 2.87 |
| CO5 | 3 | 2.78 | 2.97 |
| Average Attainment Level | | | 2.92 |

CO/PO/PSO MAPPING & CORRECTIVE MEASURES TO BE TAKEN

| COs | Attainment Level | Pos | Attainment Level | PSOs | Attainment Level | Suggested Corrective measures |
|-----|------------------|-----|------------------|------|------------------|--|
| CO1 | 2.86 | PO1 | 2.94 | PSO1 | - | To operate the combinational circuits. |
| CO2 | 2.97 | PO2 | - | PSO2 | 2.75 | |

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| | | | | | |
|-----|------|-----|------|------|------|
| CO3 | 2.96 | PO3 | 2.76 | PSO3 | - |
| CO4 | 2.87 | PO4 | 2.68 | PSO4 | 2.94 |
| CO5 | 2.97 | PO5 | 2.78 | PSO5 | 2.86 |
| | | PO6 | - | | |
| | | PO7 | - | | |

To learn counters and memory units.
Creative Peripheral devices.
Implement the Modes of data transfer.

DEPARTMENT OF BUSINESS ADMINISTRATION

Programme Specific Outcomes: (PSOs)

At the end of the B.B.A., Degree Programme, the students will be able

| | |
|-------------|---|
| PSO1 | To introduce the basics of management knowledge and to enable the student to correlate it with the practical aspect. |
| PSO2 | To build a base for learning management knowledge and to acquire prerequisite skills in financial planning, analysis, control, decision support and professional ethics with the employees. |
| PSO3 | To develop as expertise in the area of leadership, interpersonal skills, entrepreneurship and marketing |
| PSO4 | To be a responsible citizen and lead the business with moral and ethical value. |
| PSO5 | To competent the global competitive world more professionally |

Programme Outcomes (POs):

On completion of the B.B.A., Programme, certain outcomes are expected from the learners.

| | |
|------------|---|
| PO1 | Acquiring knowledge and skills in the field of management, accounting marketing and human relations. |
| PO2 | Knowing the application of principles and concepts of Management with necessary practical background |
| PO3 | Applying the entrepreneurial and managerial skills for effective and business management |
| PO4 | Assessing the consequences of carrying out entrepreneurship and evaluating the basic foundation of the underlying principles and laws of Management |

| | |
|------------|---|
| PO5 | Discussing, formulating and analyzing the problems and identifying the key concepts and principles to solve them. |
| PO6 | Comprehending applicability of management principles to situation in global business world. |
| PO7 | Acquiring employability skills through the awareness on the IT in management. |

SEMESTER: I / PART – III / CORE – I / UBAT11 / FUNDAMENTALS OF MANAGEMENT

| S. No | Course Outcomes | Levels |
|--------------|--|---------------|
| CO1 | Acquiring knowledge of basic concept in specialized Business, viz., Management, planning , organizational direction & control | Level - 3 |
| CO2 | Understanding the methods of keeping various books of management in specialized business | Level - 5 |
| CO3 | Using the methods of preparing various business management, planning, organizational, direction and control decision making. | Level - 3 |
| CO4 | Describing, explaining and inter-grading fundamental concepts Underlying accounting, finance, management, marketing, and economics | Level - 6 |
| CO5 | Solving the problem use information to support business process and practices, such as problem analysis and decision making | Level - 6 |

CO - PO Matrix

| S.No | COs | POs | PSOs |
|-------------|--|------------|-------------|
| CO1 | Acquiring knowledge of basic concept in specialized Business, viz., management, planning , organizational direction & control | 1,2,4,6 | 1,3,5 |
| CO2 | Understanding the methods of keeping various books of management in specialized business | 1,2,4,6 | 1,3,5 |
| CO3 | Using the methods of preparing various business management, planning, organizational, direction and control decision making. | 1,2,4,6 | 1,3,5 |
| CO4 | Describing, explaining and inter-grading fundamental concepts Underlying accounting, finance, management, marketing, and economics | 1,2,4,6 | 1,3,5 |
| CO5 | Solving the problem use information to support business process and practices, such as problem analysis and decision making | 1,2,4,6 | 1,3,5 |

Computation of CO-PO / PSO Attainment

| COs | Programme Outcomes | | | | | | | Programme Specific Outcomes | | | | |
|-----|--------------------|-----|-----|-----|-----|-----|-----|-----------------------------|------|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | 3 | 2 | - | 2 | - | 3 | - | 3 | - | 2 | - | 3 |
| CO2 | 2 | 2 | - | 2 | - | 2 | - | 2 | - | 3 | - | 2 |
| CO3 | 1 | 2 | - | 3 | - | 3 | - | 2 | - | 1 | - | 3 |
| CO4 | 2 | 1 | - | 2 | - | 3 | - | 1 | - | 3 | - | 2 |
| CO5 | 3 | 2 | - | 1 | - | 2 | - | 3 | - | 2 | - | 3 |
| AVG | 2.2 | 1.8 | - | 2.0 | - | 2.6 | - | 2.2 | - | 2.2 | - | 2.6 |
| WA | 2 | 2 | - | 2 | - | 3 | - | 2 | - | 2 | - | 3 |

DIRECT ATTAINMENT IN CIA & CE / FUNDAMENTAL OF MANAGEMENT

| S.No | Reg. No. | Name | Attainment in K1 & K2 | | | Attainment in K3 & K4 | | | Attainment in K5 & K6 | DA in CIA 20% | CE (75) | DA in CE 80% |
|------|------------|-----------------|--------------------------------|---------------------------------|------------------|----------------------------------|-----------------------------------|------------------|--------------------------------|---------------|---------|--------------|
| | | | I CIA Objective Questions (05) | II CIA Objective Questions (05) | Cumulative Marks | I CIA Descriptive Questions (10) | II CIA Descriptive Questions (10) | Cumulative Marks | I CIA Objective Questions (05) | | | |
| 1. | 19916ER001 | Mahalakshmi .S | 4 | 4 | 4 | 9 | 9 | 9 | 5 | 18 | 48 | 51.2 |
| 2. | 19916ER002 | Sivabharathi. M | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 17 | 51 | 54.4 |
| 3. | 19916ER003 | Subathra .V | 4 | 4 | 4 | 8 | 7 | 7.5 | 5 | 16.5 | 46 | 49.1 |
| | | | 12 | | | 24.5 | | | 15 | 51.5 | 154.7 | |

| | | | | | | |
|--------------------------------|---------------------|------------------------------|-----------------------------------|------|--|------|
| Attainment in Cognitive Levels | K1 & K2:12/ 15=80 % | K3 & K4: 24.5/30 = 81.66% | K5 & K6: 15/15 =100 % | 17.2 | | 51.6 |
|--------------------------------|---------------------|------------------------------|-----------------------------------|------|--|------|

DIRECT ATTAINMENT ANALYSIS

Direct Attainment in Internal Tests: For 20%

Total Marks to be attained: $20 \times 3 = 60$ Total

Marks attained: 51.5

For 20% = 17.2

Direct Attainment in External Examination: For 80%

Total Marks to be attained: $80 \times 9 = 720$ Total Marks to be attained: 154.7

For 80% = 51.6

No. of students Appeared: 09

No. of students secured > Threshold marks: 9

% of students secured > Threshold marks: 100

Attainment Level: 3

INDIRECT ATTAINMENT ANALYSIS

| Computation of CO Indirect Attainment | | | | | |
|---------------------------------------|-----|-----|-----|-----|-----|
| COS | CO1 | CO2 | CO3 | CO4 | CO5 |
| Feedback from Students | 4 | 4 | 4 | 4 | 3 |
| Feedback from Alumni | 4 | 5 | 5 | 5 | 4 |
| Feedback from Teachers | 15 | 14 | 14 | 14 | 16 |

| | | | | | |
|---------------------|------|------|------|------|------|
| Total Respondents | 23 | 23 | 23 | 23 | 23 |
| CO Attainment Level | 2.63 | 2.59 | 2.63 | 2.73 | 2.78 |

COMPUTATION OF OVERALL ATTAINMENT OF COs

| CO | Direct CO Attainment | Indirect CO Attainment | Overall CO Attainment (0.9*DA+0.1*IDA) |
|---------------------------------|----------------------|------------------------|--|
| CO1 | 2.63 | 2.63 | 2.87 |
| CO2 | 2.59 | 2.59 | 2.95 |
| CO3 | 2.63 | 2.63 | 2.96 |
| CO4 | 2.73 | 2.73 | 2.88 |
| CO5 | 2.78 | 2.78 | 2.88 |
| Average Attainment Level | | | 2.90 |

CO/PO/PSO MAPPING & CORRECTIVE MEASURES TO BE TAKEN

| COs | Attainment Level | POs | Attainment Level | PSOs | Attainment Level | Suggested Corrective measures |
|-----|------------------|-----|------------------|------|------------------|---|
| CO1 | 2.87 | PO1 | 2.73 | PSO1 | 2.93 | <p>Wide reading of the texts advised.</p> <p>Internship training to be increased.</p> <p>Practical knowledge gaining to be arranged</p> <p>Exposure activities to be strengthened.</p> <p>•</p> |
| CO2 | 2.95 | PO2 | 2.73 | PSO2 | 2.83 | |
| CO3 | 2.96 | PO3 | 2.73 | PSO3 | 2.93 | |
| CO4 | 2.88 | PO4 | 2.73 | PSO4 | | |
| CO5 | 2.88 | PO5 | | PSO5 | | |
| | | PO6 | | | | |
| | | PO7 | | | | |

PG & RESEARCH DEPARTMENT OF TAMIL

Programme Specific Outcomes: (PSOs)

At the end of the B.A., / M.A., & M.Phil., (Tamil) Degree Programmes, the students will be able to

| | |
|-------------|---|
| PSO1 | To educate the students in both the artistry and utility of the Tamil language through the study of literature and other contemporary forms of culture. |
| PSO2 | To provide them with the critical faculties necessary in an academic environment, on the job, and in an increasingly complex, interdependent world. |
| PSO3 | To graduate them who are capable of performing research, analysis, and criticism of literary and cultural texts from different historical periods and genres. |
| PSO4 | To assist students in the development of intellectual flexibility, creativity, and cultural literacy so that they may engage in life-long learning. |
| PSO5 | write well in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources and to cogently convey their own interpretations and perspectives, or produce new creative and artistic works themselves |

Programme Outcomes (POs):

On successful completion of B.A., (Tamil) Programme, certain outcomes are expected from the learners.

| | |
|------------|--|
| PO1 | Approaching any piece of literature with aesthetic taste. |
| PO2 | Broadening knowledge of the aspects of literature. |
| PO3 | Enhancing the language skills in speaking, reading and writing |
| PO4 | Analyzing critically any piece of literature. |
| PO5 | Knowing the technical aspects related to literary studies. |
| PO6 | Acquiring hands-on experience through academic programmes. |
| PO7 | Adapting themselves within the human community. |

SEMESTER: III / PART III / ELECTIVE – I / UTAE 31 / FOLK LITERATURE

| S.No | Course Outcomes | Levels |
|-------------|---|---------------|
| CO1 | Gaining knowledge of the origin and development of folk arts in Tamil Nadu | Level - 1 |
| CO2 | Understanding the importance of the folk songs and stories interwoven in the life of the people | Level - 2 |
| CO3 | Analyzing the importance that folk arts played in the life of the people | Level – 4 |
| CO4 | Evaluating the reasons for the evading of the folk arts in the modern times | Level – 5 |
| CO5 | Creating songs and stories based on the pattern and style of the folk arts of the past | Level - 6 |

CO - PO Matrix

| S.No | COs | POs | PSOs |
|-------------|---|------------|-------------|
| CO1 | Gaining knowledge of the origin and development of folk arts in Tamil Nadu | 2,3,4,5 | 2,3,4 |
| CO2 | Understanding the importance of the folk songs and stories interwoven in the life of the people | 2,3,4,5 | 2,3,4 |
| CO3 | Analyzing the importance that folk arts played in the life of the people | 2,3,4,5 | 2,3,4 |
| CO4 | Evaluating the reasons for the evading of the folk arts in the modern times | 2,3,4,5 | 2,3,4 |
| CO5 | Creating songs and stories based on the pattern and style of the folk arts of the past | 2,3,4,5 | 2,3,4 |

Computation of CO-PO / PSO Attainment

| COs | Programme Outcomes | | | | | | | Programme Specific Outcomes | | | | |
|------------|---------------------------|------------|------------|------------|------------|------------|------------|------------------------------------|-------------|-------------|-------------|-------------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
| CO1 | - | 2 | 2 | 1 | 3 | - | - | - | 3 | 2 | 1 | - |
| CO2 | - | 2 | 3 | 2 | 2 | - | - | - | 2 | 2 | 3 | - |
| CO3 | - | 2 | 2 | 2 | 3 | - | - | - | 2 | 1 | 2 | - |
| CO4 | - | 2 | 3 | 2 | 2 | - | - | - | 2 | 3 | 2 | - |
| CO5 | - | 2 | 2 | 3 | 2 | - | - | - | 2 | 2 | 3 | -- |
| AVG | - | 2 | 2.4 | 2 | 2.4 | - | - | - | 2.2 | 2 | 2.2 | - |
| WA | - | 2 | 2 | 2 | 2 | - | | - | 2 | 2 | 2 | - |

DIRECT ATTAINMENT IN CIA & CE / FOLK LITERATURE

[illegible]

| | | | | | | | | | | | | |
|----|------------|---------------------|---|---|-----|---|---|-----|---|----|----|------|
| 17 | 18901TR017 | Gayathri.S | 4 | 3 | 3.5 | 7 | 8 | 7.5 | 5 | 16 | 45 | 48.0 |
| 18 | 18901TR018 | Gayathri. V | 4 | 3 | 3.5 | 6 | 7 | 6.5 | 5 | 15 | 51 | 54.4 |
| 19 | 18901TR019 | Gowri.K | 4 | 3 | 3.5 | 5 | 6 | 5.5 | 5 | 14 | 61 | 65.1 |
| 20 | 18901TR020 | Hemalatha.M | A | A | A | A | A | A | A | A | A | A |
| 21 | 18901TR021 | Hemalatha.R | 4 | 3 | 3.5 | 6 | 7 | 6.5 | 5 | 15 | 54 | 57.6 |
| 22 | 18901TR022 | Janani.D | 3 | 4 | 3.5 | 8 | 7 | 7.5 | 5 | 16 | 47 | 50.1 |
| 23 | 18901TR023 | Jayalakshmi.S | 4 | 3 | 3.5 | 6 | 7 | 6.5 | 5 | 15 | 44 | 46.9 |
| 24 | 18901TR024 | Jothika.K | 3 | 4 | 3.5 | 7 | 6 | 6.5 | 5 | 15 | 51 | 54.4 |
| 25 | 18901TR025 | Jothikowsalya.P | 3 | 4 | 3.5 | 9 | 8 | 8.5 | 5 | 17 | 62 | 66.1 |
| 26 | 18901TR026 | Kanagavalli.M | A | A | A | A | A | A | A | A | A | A |
| 27 | 18901TR027 | Kanmani.M | 3 | 4 | 3.5 | 8 | 7 | 7.5 | 5 | 16 | 57 | 60.8 |
| 28 | 18901TR028 | Karpagavalli.M | 3 | 4 | 3.5 | 8 | 7 | 7.5 | 5 | 16 | 50 | 53.3 |
| 29 | 18901TR029 | Karthika.M | 3 | 2 | 2.5 | 5 | 6 | 5.5 | 5 | 13 | 48 | 51.2 |
| 30 | 18901TR030 | Karthika.T | 4 | 3 | 3.5 | 6 | 7 | 6.5 | 5 | 15 | 53 | 56.5 |
| 31 | 18901TR031 | Kavitha.C | 4 | 3 | 3.5 | 8 | 9 | 8.5 | 5 | 17 | 56 | 59.7 |
| 32 | 18901TR032 | Kaviya.A | 3 | 4 | 3.5 | 7 | 6 | 6.5 | 5 | 15 | 56 | 59.7 |
| 33 | 18901TR033 | Kaviya.M(17.4.2001) | 4 | 3 | 3.5 | 8 | 9 | 8.5 | 5 | 17 | 55 | 58.7 |
| 34 | 18901TR034 | Kaviya.M(28.7.2001) | 3 | 4 | 3.5 | 6 | 5 | 5.5 | 5 | 14 | 51 | 54.4 |
| 35 | 18901TR035 | Keerthana.K | 4 | 3 | 3.5 | 8 | 9 | 8.5 | 5 | 17 | 59 | 62.9 |
| 36 | 18901TR036 | Kiruthikadevi.T | 3 | 4 | 3.5 | 9 | 8 | 8.5 | 5 | 17 | 59 | 62.9 |

| | | | | | | | | | | | | |
|----|------------|-------------------|---|---|-----|---|---|-----|---|------|----|------|
| 37 | 18901TR037 | Kowsalya .N | 3 | 3 | 3 | 6 | 5 | 5.5 | 5 | 13.5 | 62 | 66.1 |
| 38 | 18901TR038 | Kowsalyadevi .S | 3 | 2 | 2.5 | 5 | 7 | 6 | 5 | 13.5 | 64 | 68.3 |
| 39 | 18901TR039 | Latha.R | 3 | 2 | 2.5 | 4 | 5 | 4.5 | 5 | 12 | 58 | 61.9 |
| 40 | 18901TR040 | Madhumitha .K | 3 | 2 | 2.5 | 5 | 4 | 4.5 | 5 | 12 | 57 | 60.8 |
| 41 | 18901TR041 | Madhumitha .R | 4 | 2 | 3 | 6 | 4 | 5 | 5 | 13 | 60 | 64.0 |
| 42 | 18901TR042 | Mahalakshmi .G | A | A | A | A | A | A | A | A | A | A |
| 43 | 18901TR043 | Manimegalai .M | 1 | 2 | 1.5 | 5 | 4 | 4.5 | 5 | 11 | 48 | 51.2 |
| 44 | 18901TR044 | Manimegalai.P | 4 | 3 | 3.5 | 8 | 7 | 7.5 | 5 | 16 | 66 | 70.4 |
| 45 | 18901TR045 | Murugeswari .K | 3 | 4 | 3.5 | 9 | 6 | 7.5 | 5 | 16 | 65 | 69.3 |
| 46 | 18901TR046 | Nagalakshmi .G | 4 | 3 | 3.5 | 6 | 7 | 6.5 | 5 | 15 | 63 | 67.2 |
| 47 | 18901TR047 | Nandeeswari .P | 4 | 4 | 4 | 8 | 7 | 7.5 | 5 | 16.5 | 61 | 65.1 |
| 48 | 18901TR048 | Nandhini .G | 3 | 2 | 2.5 | 9 | 6 | 7.5 | 5 | 15 | 58 | 61.9 |
| 49 | 18901TR049 | Nandhini .S | 3 | 4 | 3.5 | 8 | 7 | 7.5 | 5 | 16 | 65 | 69.3 |
| 50 | 18901TR050 | Nisha .M | 4 | 3 | 3.5 | 9 | 8 | 8.5 | 5 | 17 | 62 | 66.1 |
| 51 | 18901TR051 | Nithya.R | 4 | 3 | 3.5 | 8 | 8 | 8 | 5 | 16.5 | 65 | 69.3 |
| 52 | 18901TR052 | Pavithra .O | 4 | 3 | 3.5 | 9 | 7 | 8 | 5 | 16.5 | 50 | 53.3 |
| 53 | 18901TR053 | Pavithra.S | 3 | 3 | 3 | 9 | 8 | 8.5 | 5 | 16.5 | 59 | 62.9 |
| 54 | 18901TR054 | Perathal .P | A | A | A | A | A | A | A | A | A | A |
| 55 | 18901TR055 | Periyanayagam .P | 3 | 3 | 3 | 9 | 7 | 8 | 5 | 16 | 59 | 62.9 |
| 56 | 18901TR056 | Priyadharshini .N | 3 | 3 | 3 | 9 | 8 | 8.5 | 5 | 16.5 | 63 | 67.2 |
| 57 | 18901TR057 | Ramayee.V | 3 | 3 | 3 | 9 | 7 | 8 | 5 | 16 | 67 | 71.5 |

| | | | | | | | | | | | | |
|----|------------|----------------|---|---|-----|---|---|-----|---|------|----|------|
| 58 | 18901TR058 | Ramyakrishna.M | 3 | 3 | 3 | 9 | 7 | 8 | 5 | 16 | 56 | 59.7 |
| 59 | 18901TR059 | Ranjitha .S | 3 | 3 | 3 | 8 | 7 | 7.5 | 5 | 15.5 | 59 | 62.9 |
| 60 | 18901TR060 | Rathika .R | 2 | 2 | 2 | 5 | 5 | 5 | 5 | 12 | 63 | 67.2 |
| 61 | 18901TR061 | Renuga .A | A | A | A | A | A | A | A | A | A | A |
| 62 | 18901TR062 | Sandhya .P | 4 | 3 | 3.5 | 9 | 8 | 8.5 | 5 | 17 | 60 | 64.0 |
| 63 | 18901TR063 | Sangeetha .S | 3 | 3 | 3 | 9 | 8 | 8.5 | 5 | 16.5 | 57 | 60.8 |
| 64 | 18901TR064 | Santhiya .S | 4 | 4 | 4 | 9 | 9 | 9 | 5 | 18 | 61 | 65.1 |
| 65 | 18901TR065 | Saranya .S | A | A | A | A | A | A | A | A | A | A |
| 66 | 18901TR066 | Sathya .T | 2 | 3 | 2.5 | 5 | 4 | 4.5 | 5 | 12 | 56 | 59.7 |
| 67 | 18901TR067 | Selva Priya .P | 3 | 3 | 3 | 7 | 6 | 6.5 | 5 | 14.5 | 52 | 55.5 |
| 68 | 18901TR068 | Selvarani .V | 3 | 3 | 3 | 9 | 9 | 9 | 5 | 17 | 64 | 68.3 |
| 69 | 18901TR069 | Sneha .K | 4 | 4 | 4 | 9 | 8 | 8.5 | 5 | 17.5 | 61 | 65.1 |
| 70 | 18901TR070 | Sneka .M | A | A | A | A | A | A | A | A | A | A |
| 71 | 18901TR071 | Suganthi .N | 4 | 4 | 4 | 9 | 9 | 9 | 5 | 18 | 60 | 64.0 |
| 72 | 18901TR072 | Sumathi .M | 3 | 3 | 3 | 7 | 6 | 6.5 | 5 | 14.5 | 58 | 61.9 |
| 73 | 18901TR073 | Sumathi.V | 2 | 3 | 2.5 | 7 | 6 | 6.5 | 5 | 14 | 56 | 59.7 |
| 74 | 18901TR074 | Sumithra.K | A | A | A | A | A | A | A | A | A | A |
| 75 | 18901TR075 | Tharaka .T | 3 | 2 | 2.5 | 9 | 9 | 9 | 5 | 16.5 | 48 | 51.2 |
| 76 | 18901TR076 | Viji .A | 4 | 4 | 4 | 9 | 9 | 9 | 5 | 18 | 55 | 58.7 |
| 77 | 18901TR077 | Vinothini .V | 4 | 3 | 3.5 | 9 | 8 | 8.5 | 5 | 17 | 62 | 66.1 |

| | | | | | | |
|--------------------------------|-----------------------------|-------------------------------|---------------------------|-------|--|------|
| Attainment in Cognitive Levels | K1 & K2: 209/320 = 65.3% | K3 & K4: 460.5/640 = 71.9% | K5 K6: 320/320 = 100 % | 15.46 | | 60.8 |
|--------------------------------|-----------------------------|-------------------------------|---------------------------|-------|--|------|

DIRECT ATTAINMENT ANALYSIS

Direct Attainment in Internal Tests: For 20%

Total Marks to be

attained: $20 \times 64 = 1280$

Total Marks attained:

989.5

For 20% = 15.46

Direct Attainment in External Examination: For 80%

Total Marks to be

attained: $80 \times 64 = 5120$

Total Marks to be

attained: 3896.5

For 80% = 60.8

No. of Students Appeared: 64

No. of students secured > Threshold marks: 64

% of students secured > Threshold marks: 100

Attainment Level: 3

INDIRECT ATTAINMENT ANALYSIS

| Computation of CO Indirect Attainment | | | | | |
|---------------------------------------|------|------|------|------|------|
| COS | CO1 | CO2 | CO3 | CO4 | CO5 |
| Feedback from Students | 3 | 3 | 2 | 4 | 2 |
| Feedback from Alumni | 4 | 6 | 5 | 4 | 4 |
| Feedback from Teachers | 16 | 14 | 16 | 15 | 17 |
| Total Respondents | 23 | 23 | 23 | 23 | 23 |
| CO Attainment Level | 2.59 | 2.59 | 2.65 | 2.63 | 2.79 |

COMPUTATION OF OVERALL ATTAINMENT OF COs

| CO | Direct CO Attainment | Indirect CO Attainment | Overall CO Attainment (0.9*DA+0.1*IDA) |
|--------------------------|----------------------|------------------------|--|
| CO1 | 3 | 2.59 | 2.95 |
| CO2 | 3 | 2.59 | 2.95 |
| CO3 | 3 | 2.65 | 2.65 |
| CO4 | 3 | 2.63 | 2.96 |
| CO5 | 3 | 2.9 | 2.99 |
| Average Attainment Level | | | 2.9 |

CO/PO/PSO MAPPING & CORRECTIVE MEASURES TO BE TAKEN

| COs | Attainment Level | POs | Attainment Level | PSOs | Attainment Level | Suggested Corrective measures |
|-----|------------------|-----|------------------|------|------------------|---------------------------------------|
| CO1 | 2.95 | PO1 | - | PSO1 | - | Reading enhancing is to be increased. |
| CO2 | 2.95 | PO2 | 2.78 | PSO2 | 2.6 | |

•

| | | | | | |
|-----|------|-----|------|------|-----|
| CO3 | 2.65 | PO3 | 2.82 | PSO3 | 2.6 |
| CO4 | 2.96 | PO4 | 2.8 | PSO4 | 2.8 |
| CO5 | 2.99 | PO5 | 2.9 | PSO5 | - |
| | | PO6 | - | | |
| | | PO7 | - | | |

Wide reading of the texts advised.

Creative attitude is encouraged.

Special lectures to be arranged.