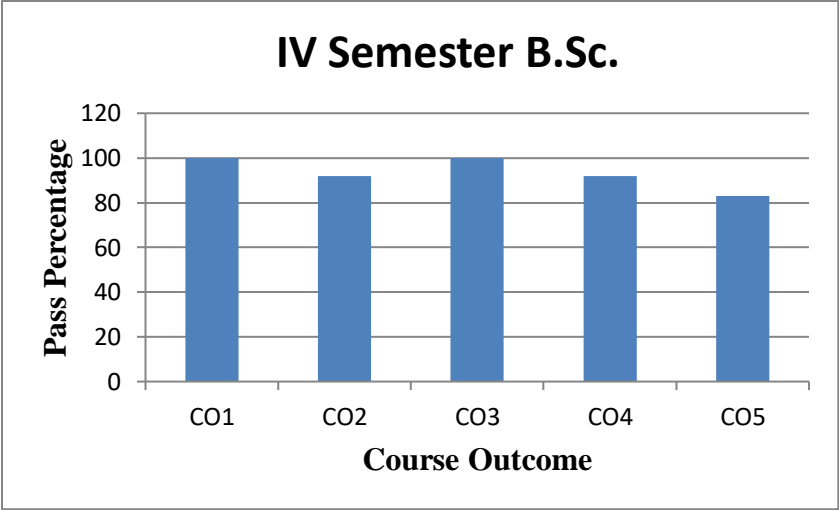


Department of Mathematics- Course Outcomes
Even Semester 2020-2021

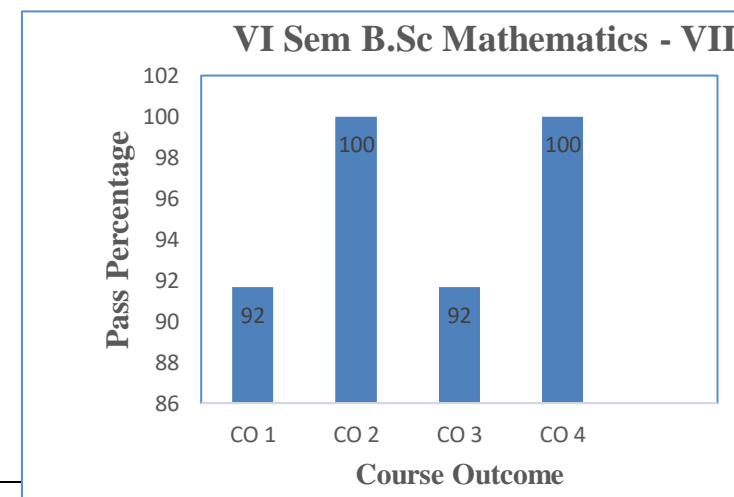
Semester	Paper Code	Title of the Paper	Course Outcome	CO Attainment																																										
IV Sem BSc	SM1C4S	Mathematics -IV	<ul style="list-style-type: none"> •Students will be able to write basic definition and examples for normal groups , quotient groups and understand basic proofs. •Students will be able to evaluate the series in sine and cosine 	<p>Subject : Mathematics - IV Class : IV Sem B.Sc</p> <p>Paper Code: Batch : 2019 - 2022</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>Questions</td> <td>CO1</td> <td>CO2</td> <td>CO3</td> <td>CO4</td> <td>CO5</td> </tr> <tr> <td>No.of students appeared</td> <td>12</td> <td>12</td> <td>12</td> <td>12</td> <td>12</td> </tr> <tr> <td>No.of students Passed</td> <td>12</td> <td>11</td> <td>12</td> <td>11</td> <td>10</td> </tr> <tr> <td>No. of students Failed</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>Pass %</td> <td>100</td> <td>92</td> <td>100</td> <td>92</td> <td>83</td> </tr> </table> <p>Over all Result Analysis</p> <table border="1" style="width: 50%; text-align: center;"> <tr> <td>Total No.of Studens</td> <td>12</td> </tr> <tr> <td>No.of students appeared</td> <td>12</td> </tr> <tr> <td>No.of students absent</td> <td>0</td> </tr> <tr> <td>No.of students Passed</td> <td>10</td> </tr> <tr> <td>No. of students Failed</td> <td>2</td> </tr> <tr> <td>Pass %</td> <td>83.00%</td> </tr> </table>	Questions	CO1	CO2	CO3	CO4	CO5	No.of students appeared	12	12	12	12	12	No.of students Passed	12	11	12	11	10	No. of students Failed	0	1	0	1	2	Pass %	100	92	100	92	83	Total No.of Studens	12	No.of students appeared	12	No.of students absent	0	No.of students Passed	10	No. of students Failed	2	Pass %	83.00%
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			<p>form using Fourier series.</p> <ul style="list-style-type: none">•Students will be able to compute Limits of a function, Continuit y & Discontin uity of a function. Evaluate Maxima & Minima of a two variable function•Students will be able to compute Cauchy- Euler homogen eous linear	
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			<p>equations , specific forms of particular integrals.</p> <ul style="list-style-type: none">•Students will be able to understan d the higher order linear differenti al equations with constant coefficien ts. Students will be able to understan d the concept of Laplace Transfor ms and it's Properties	
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			. To evaluate Convolution theorem for a function																																																
VI Sem BSc	SM1C61	Mathematics -VII	<ul style="list-style-type: none"> Students will be able to learn about the basis and dimensions & rank and nullity. Students will be able to know how to use partial differential equation, and also Lagrange's linear equation-Charpit's Method. Students will be able to learn Orthogonal 	<p>Subject Name: Mathematics - VII</p> <p>Semester: VI Sem B.Sc</p> <p>Paper Code : Batch: 2019 - 2022</p> <table border="1"> <thead> <tr> <th>Questions</th> <th>CO 1</th> <th>CO 2</th> <th>CO 3</th> <th>CO 4</th> </tr> </thead> <tbody> <tr> <td>Total No. of Students</td> <td>13</td> <td>13</td> <td>13</td> <td>13</td> </tr> <tr> <td>No. of Students Appeared</td> <td>12</td> <td>12</td> <td>12</td> <td>12</td> </tr> <tr> <td>No. of Absentees</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>No. of Students Passed</td> <td>11</td> <td>12</td> <td>11</td> <td>12</td> </tr> <tr> <td>No. of Students Failed</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> </tr> <tr> <td>Pass %</td> <td>92</td> <td>100</td> <td>92</td> <td>100</td> </tr> </tbody> </table> <p>Over all Result Analysis</p> <table border="1"> <tbody> <tr> <td>Total No.of Studens</td> <td>13</td> </tr> <tr> <td>No.of students appeared</td> <td>12</td> </tr> <tr> <td>No.of students absent</td> <td>1</td> </tr> <tr> <td>No.of students Passed</td> <td>11</td> </tr> <tr> <td>No. of students Failed</td> <td>1</td> </tr> <tr> <td>Pass %</td> <td>92</td> </tr> </tbody> </table>	Questions	CO 1	CO 2	CO 3	CO 4	Total No. of Students	13	13	13	13	No. of Students Appeared	12	12	12	12	No. of Absentees	1	1	1	1	No. of Students Passed	11	12	11	12	No. of Students Failed	1	0	1	0	Pass %	92	100	92	100	Total No.of Studens	13	No.of students appeared	12	No.of students absent	1	No.of students Passed	11	No. of students Failed	1	Pass %	92
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Pass %	92																																																		



			<p>problems.</p> <ul style="list-style-type: none">• Students will be able to derive numerical methods for various mathematical operations and tasks, such as interpolation, differentiation, integration, the solution of linear and nonlinear equations, and the solution of differential equations.• Students will be able to understand the analyticity	
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			<p>of a complex number.</p> <ul style="list-style-type: none"> Students will be able to analyze and evaluate Harmonic functions. 	
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II Sem BCA	B0230		<ul style="list-style-type: none"> Students to learn concepts of set, types of sets and Venn diagrams, learn concepts of Relations and function
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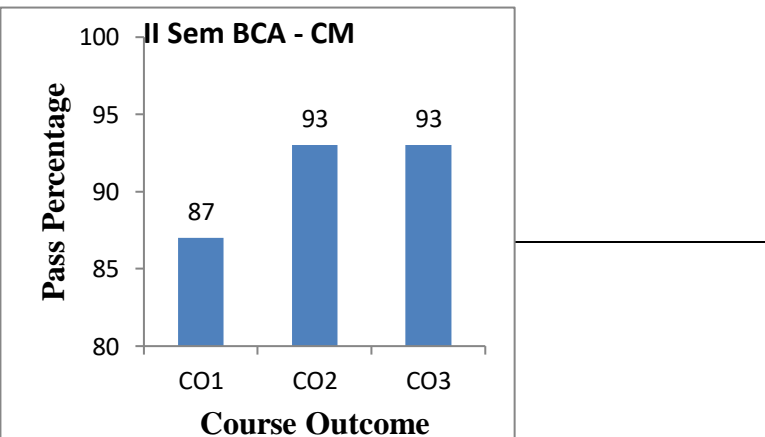
Subject Name: Commercial Mathematics
Paper Code :

Questions	CO1	CO 2	CO 3
Total Number of Students	16	16	16
No.of students appeared	15	15	15
No.of students Passed	13	14	14
No. of students Failed	2	1	1
Pass %	87	93	93

Semester: II Sem BCA
Batch: 2021 - 2024

Over all Result Analysis

Total No.of Studens	16
No.of students appeared	15
No.of students absent	13

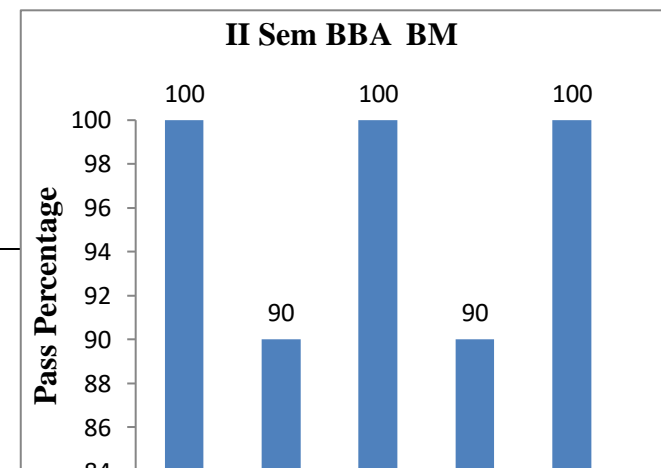


- Enable the students to learn concept of permutation and combination with application on problem , concept of probability, definitions of events , occurrences of events and some

No.of students Passed	2
No. of students Failed	87
Pass %	

			<p>rules of probability and application problem</p> <ul style="list-style-type: none">• Enable the students to learn to calculate percentage and ratios in application problem <p>, definitions of proportions and properties and apply</p>	
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			these concepts in commercial problem .																																											
II Sem BBA	B0220	Business Mathematics	<ul style="list-style-type: none"> Students will be able to learn basic arithmetic operations on positive and negative whole numbers, fractions and decimals; LCM & HCF Students will be able to perform basic arithmetic operations on 	<p align="center">Subject Name: Business Mathematics</p> <p align="center">Semester: II Sem BBA</p> <p align="center">Paper Code : Batch: 2021 - 2024</p> <table border="1"> <thead> <tr> <th>Questions</th> <th>CO1</th> <th>CO2</th> <th>CO3</th> <th>CO4</th> <th>CO5</th> </tr> </thead> <tbody> <tr> <td>No.of students appeared</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>No.of students Passed</td> <td>10</td> <td>9</td> <td>10</td> <td>9</td> <td>10</td> </tr> <tr> <td>No. of students Failed</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> </tr> <tr> <td>Pass %</td> <td>100</td> <td>90</td> <td>100</td> <td>90</td> <td>100</td> </tr> </tbody> </table> <p>Over all Result Analysis</p> <table border="1"> <tbody> <tr> <td>Total No.of Studens</td> <td>10</td> </tr> <tr> <td>No.of students appeared</td> <td>10</td> </tr> <tr> <td>No.of students absent</td> <td>Nil</td> </tr> <tr> <td>No.of students Passed</td> <td>9</td> </tr> <tr> <td>No. of students Failed</td> <td>1</td> </tr> <tr> <td>Pass %</td> <td>90</td> </tr> </tbody> </table>	Questions	CO1	CO2	CO3	CO4	CO5	No.of students appeared	10	10	10	10	10	No.of students Passed	10	9	10	9	10	No. of students Failed	0	1	0	1	0	Pass %	100	90	100	90	100	Total No.of Studens	10	No.of students appeared	10	No.of students absent	Nil	No.of students Passed	9	No. of students Failed	1	Pass %	90
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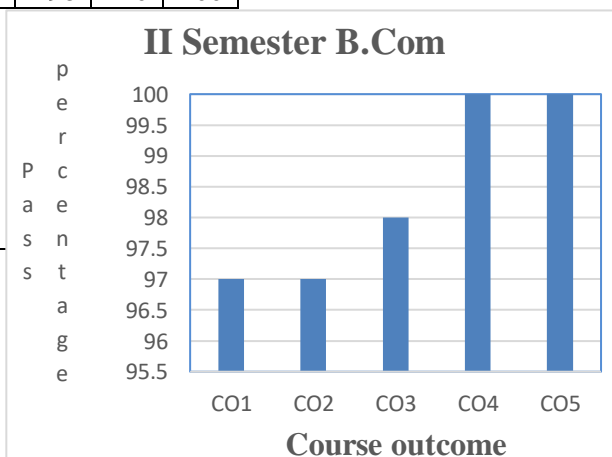


			<p>algebraic expressions and fractional algebraic expressions ; Solve systems of linear equations in up to two unknowns and explain how to solve systems. Quadratic equations and equations having fractional algebraic expressions , factor algebraic expressions .</p> <ul style="list-style-type: none">• Students are able to	
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solve the problems in matrices, Cramer's rule, inverse of a matrix, Caley Hamilton theorem. Properties on logarithms & Indices.

- Students will be able to describe the properties of arithmetic and geometric progressions and compute using them.
- Students will be able to recognize, understand,

			and compute problems relating to Simple & Compound interest annuities with payments that are not contingent, including annuity-immediate,																																			
II Sem B.Com	B0240	MTBD	<ul style="list-style-type: none"> Students will be able to learn basic arithmetic operations on positive and negative whole numbers, fractions and decimals; LCM & HCF Students 	<p>Class & Sec: II Semester B.Com Subject: BM Batch : 2021-2024</p> <table border="1"> <thead> <tr> <th>Questions</th> <th>CO1</th> <th>CO 2</th> <th>CO 3</th> <th>CO 4</th> <th>CO 5</th> </tr> </thead> <tbody> <tr> <td>No.of students appeared</td> <td>60</td> <td>60</td> <td>60</td> <td>60</td> <td>60</td> </tr> <tr> <td>No.of students Passed</td> <td>58</td> <td>58</td> <td>59</td> <td>60</td> <td>60</td> </tr> <tr> <td>No. of students Failed</td> <td>2</td> <td>2</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>Pass %</td> <td>97</td> <td>97</td> <td>98</td> <td>100</td> <td>100</td> </tr> </tbody> </table> <p>Over all Result Analysis</p> <table border="1"> <tbody> <tr> <td>Total No.of Studens</td> <td>61</td> </tr> <tr> <td>No.of students appeared</td> <td>60</td> </tr> </tbody> </table>	Questions	CO1	CO 2	CO 3	CO 4	CO 5	No.of students appeared	60	60	60	60	60	No.of students Passed	58	58	59	60	60	No. of students Failed	2	2	1	0	0	Pass %	97	97	98	100	100	Total No.of Studens	61	No.of students appeared	60
Questions	CO1	CO 2	CO 3	CO 4	CO 5																																	
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will be able to perform basic arithmetic operations on algebraic expressions and fractional algebraic expressions ; Solve systems of linear equations in up to two unknowns and explain how to solve systems. Quadratic equations and equations having fractional algebraic expressions

No.of students absent	1
No.of students Passed	58
No. of students Failed	2
Pass %	97

| |

			<p>, factor algebraic expressions</p> <ul style="list-style-type: none">• Students are able to solve the problems in matrices, Cramer's rule, inverse of a matrix, Caley Hamilton theorem. Properties on logarithms & Indices.• Students will be able to describe the properties of arithmetic and geometric progressions and compute	
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using them.

- Students will be able to recognize, understand, and compute problems relating to Simple & Compound interest annuities with payments that are not contingent, including annuity-immediate,