## Department of Mathematics- Course Outcomes

## Odd Semester 2021-2022



Outcome
Students will be able o learn row operations, rank of matrix and system of homogeneo us and nonhogen equations. Finding eigenvalue eigenvector the limit and continuity

| Class \& Sec: I Semester B.Sc |  |  |  |  | Subject: Mathematics - OE |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Paper code: |  | tch: 20 | 0-2023 |  |  |
| Questions | CO1 | CO2 | CO3 |  <br>  <br> 4 |  |
| No.of students appeared | 5 | 5 | 5 | 5 |  |
| No.of students Passed | 5 | 5 | 5 | 5 |  |
| No. of students Failed | 0 | 0 | 0 | 0 |  |
| Pass \% | 100 | 100 | 100 | 1 0 0 |  |

I Semester B.Sc-OE


|  |  |  | and <br> differentiab <br> ility of a <br> function at <br> a point. <br> - Students <br> will be able <br> to <br> understand <br> the <br> consequenc <br> es of the <br> intermediat <br> e value <br> theorem for <br> continuous <br> functions. <br> - Learn to <br> evaluate <br> integrals, <br> find arc - <br> lengths, <br> areas and <br> volume |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| III Sem BSc | 11323 | MathematicsIII | - Students will be able to explain the significan ce of the notions of cosets, | Class \& Sec: III Semester B.ScPaper code: Batch: 2019-2023 |  |  |  |  | Subject: Mathematics-III |
|  |  |  |  | Questions | CO1 | $\begin{aligned} & \mathrm{CO} \\ & 2 \end{aligned}$ | CO3 | $\begin{aligned} & \mathrm{CO} \\ & 4 \end{aligned}$ |  |
|  |  |  |  | No.of students appeared | 12 | 12 | 12 | 12 |  |
|  |  |  |  | No.of students Passed | 12 | 11 | 12 | 11 |  |
|  |  |  |  | No. of students Failed | 0 | 0 | 0 | 0 |  |
|  |  |  |  | Pass \% | 100 | 92 | 100 | 84 |  |










|  |  |  | provide <br> graphica <br> 1 <br> solutions <br> of linear <br> program <br> ming <br> problem <br> s with <br> two <br> variables <br> and <br> illustrate <br> the <br> concept <br> of <br> convex <br> set and <br> extreme <br> points. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| III Sem <br> B.Com | 35325 | Business <br> Data <br> Analysis | - Students will be able to understand the basic statistical tools for analysis , interpretati | Subject : Business Data Analysis <br>  <br> Paper code: |  |  |  |  |  | Class \& Sec: III Semester B.Com A |
|  |  |  |  | Questions | CO1 | $\begin{aligned} & \mathrm{CO} \\ & 2 \end{aligned}$ | CO3 | $\begin{aligned} & \mathrm{CO} \\ & 4 \end{aligned}$ | $\begin{aligned} & \mathrm{CO} \\ & 5 \end{aligned}$ |  |
|  |  |  |  | No.of students appeared | 62 | 62 | 62 | 62 | 62 |  |
|  |  |  |  | No.of students Passed | 60 | 61 | 60 | 61 | 59 |  |
|  |  |  |  | No. of students Failed | 2 | 1 | 2 | 1 | 3 |  |
|  |  |  |  | Pass \% | 97 | 98 | 97 | 98 | 95 |  |









|  |  |  |
| :---: | :---: | :---: |

- Students will be able
- to learn types of matrix,
- Determinan $t$ of a matrix, row and column operations, Inverse of a matrix,
- rank of matrix and to solve the system of linear equations.
- Enable the students to learn vertex, edge, types of graph, Euler graph and Isomorphis m of a graph, concepts in applications of graph,

Class \& Sec: I Semester BCA 'B'
Subject: Discrete Structures

| Paper code: | Batch: 2021-2024 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Questions | CO1 | $\begin{aligned} & \mathrm{CO} \\ & 2 \end{aligned}$ | $\begin{aligned} & \mathrm{CO} \\ & 3 \end{aligned}$ | $\begin{aligned} & \mathrm{CO} \\ & 4 \end{aligned}$ |
| Total Number of students | 49 | 49 | 49 | 49 |
| No.of students appeared | 48 | 48 | 48 | 48 |
| No.of students Passed | 44 | 45 | 48 | 47 |
| No. of students Failed | 4 | 3 | 0 | 1 |
| Pass \% | 92 | 94 | 100 | 98 |

## Over all Result Analysis

| Total No.of Studens | 49 |
| :--- | ---: |
| No.of students appeared | 48 |
| No.of students absent | 1 |
| No.of students Passed | 44 |
| No. of students Failed | 4 |
| Pass \% | 84 |

I Semester BCA 'B'


|  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |

