**{Semester}**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Code** | **{CourseName}** | **L** | **T** | **P** | **C** |
| **{CourseCode}** | **3** | **2** | **0** | **4** |

# COURSE OBJECTIVES

1. {Objective1}
2. {Objective2}
3. {Objective3}
4. {Objective4}
5. {Objective5}

# COURSE DESCRIPTION

{CourseDescription}

# PREREQUISITES

{Prerequisites}

# UNIT I SETS AND ALGEBRAIC STRUCTURES 12

{UnitIContent}

# UNIT II COMBINATORICS 12

{UnitIIContent}

# UNIT III GRAPH THEORY 12

{UnitIIIContent}

# UNIT IV PROPOSITIONAL LOGIC 12

{UnitIVContent}

# UNIT V LATTICES AND BOOLEAN ALGEBRA 12

{UnitVContent}

# TOTAL NUMBER OF PERIODS: 60

**COURSE FORMAT**

{CourseFormat}

# ASSESSMENTS & GRADING

{AssessmentsGrading}

# COURSE OUTCOMES

Upon completion of the course, the students will be able to

**CO1** {CO1}

**CO2** {CO2}

**CO3** {CO3}

**CO4** {CO4}

**CO5** {CO5}

# TEXT BOOKS

1. {Textbook1}
2. {Textbook2}
3. {Textbook3}

# REFERENCES

1. {Reference1}
2. {Reference2}
3. {Reference3}