**{{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}}