

Assignment-I

Course Title:	DISCRETE MATHEMATICS				Course Code:	R204GA05401
Class & Sem:	II B.Tech II SEM				Regulations:	SRIT-R20
Course Structure:	Theory	Tutorial	Lab	Credits	Core/Elective:	Core
	4			2		
Instructor 1:	Mr. M. Narasimhulu			Instructor 2:		

Assignment Questions:**Academic Year: 2022-23**

Q. No.	Questions	Marks	CO	Cognitive Level
Unit-I				
1	Classify Equivalence Formulas and implications.	2	CO1	Remember
2	Define PDNF and obtain Principal Disjunctive Normal Form $(\neg P \vee \neg Q) \rightarrow (P \leftrightarrow \neg Q)$.	2	CO2	Understand
Unit-II				
3	Let F_X be the set of all one to one, onto mappings from X onto X where $X = \{1,2,3\}$ Find all the elements of F_X and find the inverse of each element.	2	CO3	Understand
4	Illustrate Lattices and its properties.	2	CO3	Understand
Unit-III				
5	Define a semigroup and monoid. Give an example of a monoid, which is not a group. Justify the answer.	2	CO4	Understand

- Last date for submitting Assignment-1: **21-04-2023**
- Also, Put the Submitted Copy in Google Class Room once Evaluation is completed.

SRINIVASA RAMANUJAN INSTITUTE OF TECHNOLOGY::ANANTHAPURAMU

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Assignment-II

Course Title:	DISCRETE MATHEMATICS				Course Code:	R204GA05401
Class & Sem:	II B.Tech II SEM				Regulations:	SRIT-R20
Course Structure:	Theory	Tutorial	Core	Credits	Core/Elective:	Core
	4			2		
Instructor 1:	Mr. M. Narasimhulu			Instructor 2:		

Assignment Questions:

Academic Year: 2022-23

Q. No.	Questions	Marks	CO	Cognitive Level
Unit-III				
1	Write the Euclidean algorithm with an example	2	CO4	Apply
Unit-IV				
2	Explain the permutations and combinations with an example.	2	CO5	Apply
3	Explain pigeonhole principle and its applications.	2	CO5	Apply
Unit-V				
4	Write the algorithms for spanning trees with an example.	2	CO6	Apply
5	Define K- regular graph. Give examples of 2- regular, 3- regular, 4- regular graphs.	2	CO6	Apply

- Last date for submitting Assignment-2: **05-06-2023**
- Also, Put the Submitted Copy in Google Class Room once Evaluation is completed.