	Hall Ticket No.:												SRIT R20
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SRINIVASA RAMANUJAN INSTITUTE OF TECHNOLOGY

(AUTONOMOUS)

II B. Tech II Sem – Semester End Examinations – Regular – July 2022

DISCRETE MATHEMATICS [R204GA05401]

(Common to CSE, CSD & CSM)

Time: 3 hours Max. Marks: 60

PART-A

(Compulsory Question)

Find the GCD of 826, 1890.								
Define combinations. Give an example.								
[5M]								
[5M]								
V (Q \ [10M]								
[10M]								
[5M]								
[5M]								
f G and Is [10M]								
[10M]								
1								
[10M]								
[10M]								

		UNIT-5	
10	Exp	plain the matrix representation of graphs with example.	[10M]
		OR	
11	a)	State and explain four color theorem with example.	[5M]
	b)	Prove that a connected graph G is Euler if and only if all the vertices of G are even degree.	[5M]
