

PARSHVANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Data Science

Semester:
* Types of lattices:
1> Complete
2) Bounded 3) Isomorphic
4) Distributive
5> complemented
(1) Complete lattice -
A lattice P is called as complete it every
non-empty subset of phas GLB & LUB.
e.g. poset (z, =)
This is a poset (Z, L)
with relation of divisib
vith relation of divisib less than or equal to and its hasse diagram is
1-1 its hasse diagram is
shown in tig-
Suppose we have 5- {xez x <0 and
× 70 00 0
S= {x ez 270 and 262 }
R S= 50, 1, 23.
S is a finite set.
Subject Incharge: Page No Department of CSE-Data Science APSIT



PARSHVANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Data Science

Semester :	III	Subject :	DSGT		Academic Year: 2022-2023
	so ha	asse dia	gram	for	poset(z, <)
		50,1	,23	99	0 2/512030 E
3.41		2	GLBA		1 2
1-9482		0		0	1 16
_35p1.50	186601	L()	2 3 V 0	10	2 2
	<u> </u>		0 0	Ī	2
- Mayo	99 120	30 -2-0	2 2	. 2	2
S	is a	comple	re la	tice	Consider
but	S =	£x € z	五光		
	· 2C		nite se	ine	integers.
53%	S ;	V	2,3,9	+	
5 P.	3	here u	re can	not	ger GUB
	2		ONEMI	pai	v of subject
134.14		lnce		Mot	- a complete
discool	as s	is in	finète	De	f. althought.
ward.		of n ve	V		FYCH IND