

#### PARSHWANATH CHARTABLE PRUST'S

## A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Data Science

Semester: ]]]	Subject :_ DSGT	Academic Year: 20-72-20-13
ex Let H =		
	0 1 1	
	100	
	0 1 0	
be a pari	te chock or	natrix. Determine the
group code	en: B3-	nation. Determine the
	,	,001,010,011,100,
101, 110,1	11 3 then	1 001 1 010 10 1
(000) = 0	000 x, x2 X3	termined using
- whene xixs	LAS are de	res to the account
x1 = 0.1	+0.0+	0.1 = 0
λ2 = 0.0	+ 0.1 +	0.1 = 0
×3 = 0'	0 + 0 · 1 +	0.1 = 0
6(000)=0	00000	
e(001) = 0	01 X1 X2 X3	
XI = 0 - 9	0.0 + 0+0.0 + 0+0.1 +	1.)=1
x2 = 0 · (	D+0.1 +	
×3 = 0.0	) 10,1 t	(-, - )
e (001) = 0	11110	
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e(010) = 010 X1 X2 X3	
X1 = 0 . 1 + 1 . 0 + 0 . 1	= 0
$X_1 = 0.1 + 1.0 + 0.1$ $X_2 = 0.0 + 1.1 + 0.1$	= 1
X3 = 0.0+1.1 + 0.1	= 1
e(010): 010011	
e(011) = 011 X1 X2 X3	
X1 = 0 · 1 + 1 · 0 + 1 · )	= 1
$\frac{x_1 = 0.1 + 1.0 + 1.1}{x_2 = 0.0 + 1.1 + 1.1}$	= 0
X3=0.0+1.1+1.1	= 0
e (011) = 01/100	
e(100) = 100 x1x2 X3	
X1 = 1.1 + 0.0 + 0.1 =	1
x2 = 1.0 + 0.1 + 0.1 =	0
X3 = 1, 9 + 0, 1 + 0, 1 =	6
e(100)=100/00	
e(101) = 101 X, X2 X3	
X1 = 1.1 + 0.0 + 1.1 =	0
X2 = 1 · 0 + 0 · 1 + 1 · 1 =	1
X3 = 1 · 0 + 0 · 1 + 1 · 1 =	. 1
e(101) = 101011	



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Semester:	Subject: DSGT	Academic Year: 2022-2023
e(110) = 1 X1 = 1 · 1 X2 = 1 · 0 X3 = 1 · 0 e(110) = 1	+1-1+0-	
	1 + 1.0 + 1	-) = 0 -1 = 0 -1 = 0
e(000) = 00 $e(010) = 0$ $e(100) = 1$ $e(110) = 1$	010011 C(	001) = 011100 $101) = 101011$ $(111) = 111000$