

ANSWER BOOKLET

Student:	Digital	Number	(0
Course:	Department: Division: PLD		
Date:	Day	Month	Year

Question Grade 1 2 3 4 5 6 7 8 9 10 11 12

Total

Fixed of array anda Programmable AND array. Example of PAL with 4 inputs, 4 outputs,
4 Sections of a three-wide AND-OR array (3
programmable AND gates in each section and One fixed
AD aste).

•.			
$\omega(A_1B_1C_1D) = \{(2,12,13)\}$			
$(A, B, C, D) = \{(7, 8, 9, 10, 11, 12, 13, 14, 15)\}$			
$\frac{1}{3}(A,B,C,D) = \frac{2}{5}(0,2,3,4,5,6,7,8,40,11,15)$			
2 (ABC, D) = 2 (1,2,8,12,13)			
:			
AB 000 01 11 110 3 In the Same way:			
00			
$\Delta = A + BCD$			
y = A'B +CD + B'D'			
Z= ABC TABCD TACUT			
w= ABc+ ABCD ABCD			
$= \omega + Ac'D' + A'B'c'D$			
(Show the figure)			
B Importan Note			
3- ontputs for this Pal			
X = AB + AC TCD			
y = ABC + ACD + BD			
2= A'B + ABCD + B'CD' + C'D + B'C'D			
DL- is ok			
J- is ole			
2- must be divided such that			
Chr example)			
2 - A'B + ABCD + M			
where m = B/cD/ + c/D + B/C/D			

