## Code No: 126EK

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## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year II Semester Examinations, October/November - 2016 DIGITAL SIGNAL PROCESSING

May Mayles 75
Max. Marks: 75
stions in Part A. Part B it. Each question carries
(25 Marks)
[2] [3]
te N-point DFT using [3]
[2]
[3] w [2] 
(50 Marks) e variant or not? (n-1). [5+5]
G:
system; Given $n-2). \qquad [5+5]$
[10]
ple: of $Y(k) = \{1,0,1,0\}.[5+5]$
[10] mation for any one type [10]
oo

X + X + A A A A A A A A A A A A A A A A	8.:::Realiz	e the system fund		z <sup>-1</sup> by linear phas	e FIR structure.	[10]	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	9. Explai	in the designing o		OR ng windows.		[10]	
**************************************		respect to finite wattion with examp		ets in digital filters	, explain over flow	w limit cycle	**** ***** **** **** **** ****
		in the application is meant by signa		ignal processing.		[5+5]	
	ER.		(ii) [iii] 00	oOoo	ER		3.44 \$ \$44.5 \$ \$ \$44.5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
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F)				BR			SR
			SR		SR		
K.				SR	3R		DR
R							
STATE STAT STAT	SR				SR		