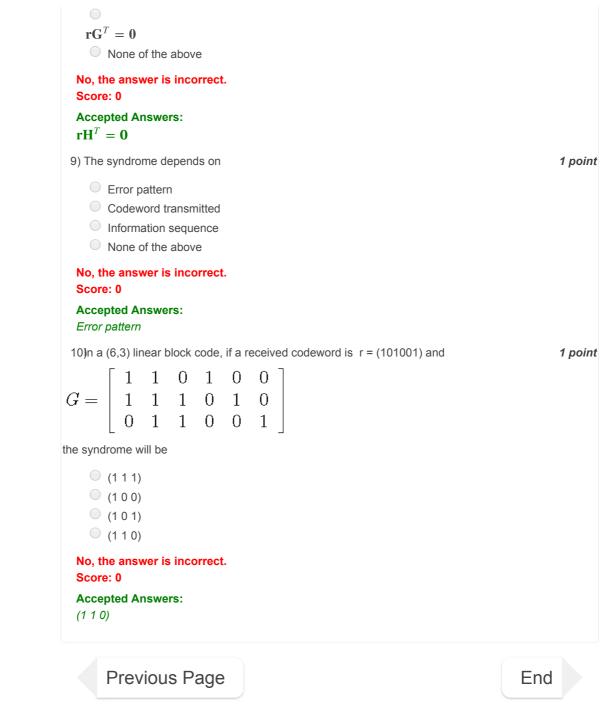


Error control coding: An introduction to linear block code Unit 2 - Week-1 Introduction to error cont	rol coding
 1 2 3 4 	
No, the answer is incorrect. Score: 0	
Accepted Answers: 3	
5) What should be the rank of generator matrix for (10,6) linear block code ?	1 point
0 10	
none of the above	
No, the answer is incorrect. Score: 0	
Accepted Answers: 6	
6) Given below is a generator matrix for (3,2) linear block code.	1 point
$G = \left[\begin{array}{rrr} 1 & 0 & 1 \\ 1 & 1 & 0 \end{array} \right]$	
List the set of codewords	
 C = {000,110,101,011} C = {000,111,110,001} C = {000,010,101,111} None of the above 	
No, the answer is incorrect.	
Score: 0 Accepted Answers: C = {000,110,101,011}	
7) Given below is a parity check matrix of a linear block code.	1 point
$H = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 0 & 1 & 1 & 0 \\ 0 & 1 & 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 0 & 0 \end{bmatrix}$	
This corresponds to a	
 (6,3) linear block code (6,4) linear block code (6,2) linear block code None of the above 	
No, the answer is incorrect. Score: 0	
Score: 0 Accepted Answers: (6,3) linear block code	
8) A received codeword \mathbf{r} is error free if	1 point
$\mathbf{r}\mathbf{H}^{T} = \mathbf{e}$ $\mathbf{r}\mathbf{H}^{T} = 0$	

24/07/2018





24/07/2018

Error control coding: An introduction to linear block code - - Unit 2 - Week-1 Introduction to error control coding

Powered by

