

20181CSE0621

Sai Ram . K

7-CSE-10

Part - B

Q.4]

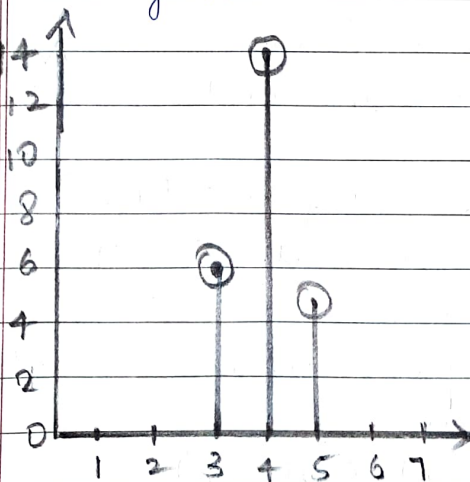
K	$r_k$	$n_k$	$P(r_k) = n_k/n$	$S_k = (L-1) \sum_{j=0}^k P(r_j)$	$S_k$
0	0	0	0	$0 \times 7 = 0$	0
1	1/7	0	0	$0 \times 7 = 0$	0
2	2/7	0	0	$0 \times 7 = 0$	0
3	3/7	6	0.24	$0.24 \times 7 = 1.68$	2
4	4/7	14	0.56	<del><math>0.58</math></del> $0.428 \times 7 = 2.996$	3
5	5/7	5	0.20	$0.628 \times 7 = 4.396$	4
6	6/7	0	0	$0.628 \times 7 = 4.396$	4
7	1	0	0	$0.628 \times 7 = 4.396$	4

$n=25$

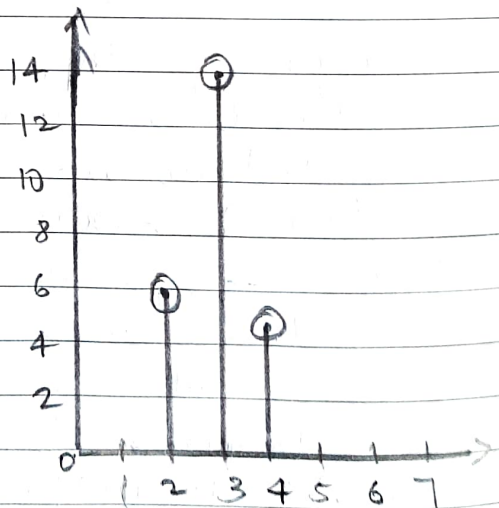
Equalized Image :-

Gray level	0	1	2	3	4	5	6	7
Pixels	0	0	6	14	5	0	0	0

—> Histogram:



a] Input Image Histogram



b] Output Image Histogram