Online – 2

Set – C

a.	Read the image. Say, input image is $\boldsymbol{I}$	
b.	Find the minimum pixel value of the input image. Store the value in a variable, say ***A***.	1
c.	Find the maximum pixel value of the input image. Store the value in a variable, say ***B***.	1
d.	Store the difference of variable ***B*** and ***A*** in a variable ***D***. Store the highest possible intensity value in a variable ***M***. (If your input image is 4 bit, highest possible intensity value = 2^4 – 1 = 15)	1
e.	Say your output image is ***R***. Use the following equation for **each pixel** of the input image ***I*** - $\mathbf{R} = \frac{I-A}{D} * M + A$	3
f.	Display the input image ***I*** and output image ***R***.	1
g.	Show the histogram of the input image **I** and output image **R**. Do not use any built-in function.	3