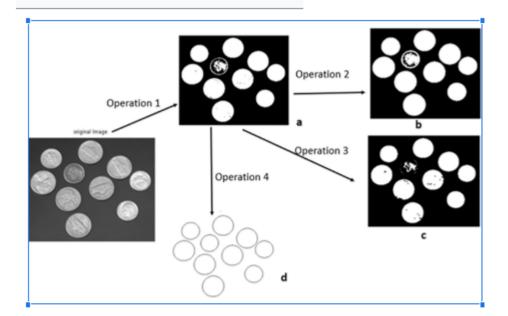


In the following picture which one is the correct match between the figure and operation

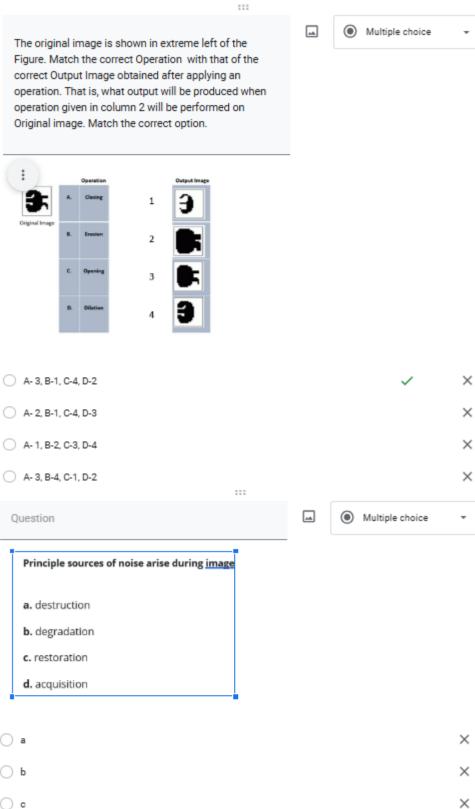


 \times



- Operation 1: Segmentation, Operation2: Dilation, Operation 3: Erosion, Operation 4: ... 🗸
- Operation 1: Segmentation, Operation2: Erosion, Operation 3: Dilation, Operation 4: Region...
- Operation 1: Region/Hole Filling, Operation2: Dilation, Operation 3: Erosion, Operation 4: S...
- Operation 1: Region/Hole Filling, Operation2: Erosion, Operation 3: Dilation, Operation 4: S...



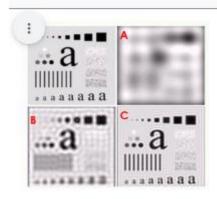


X

d

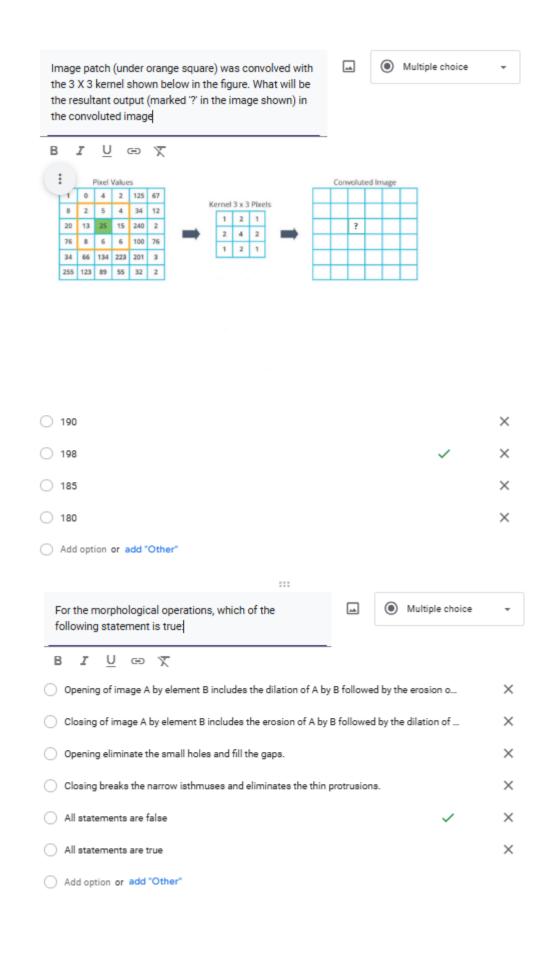
In the following figure, original image (top left) was operated using filter. Choose the correct statement





A: Low pass filter of radius =30, B= Low pass filter of radius =15 and C=Low pass filter of r						
A: High pass filter of radius =5, B=High pass filter of radius =15 and C=High pass filter of r						
A: Low pass filter of radius =5, B= Low pass filter of radius =15 and C=Low pass filt						
A: High pass filter of radius =30, B=High pass filter of radius	s =15 and C	=High pass filter of	×			
Following are the factors that affects the suitability of the histogram for guiding the choice of the threshold. Choose the incorrect option	(4)	Multiple choice	•			
B I U 🖘 🏋						
the separation between peaks;			×			
the noise content in the image;			×			
the relative size of objects and background;			×			
the uniformity of the illumination and reflectance			×			
All of them are correct			×			
All of them are incorrect		~	×			
Add option or add "Other"						

Which of the following shows three basic types of functions used frequently for image enhancement?	_	Multiple choice	+
B I U 🕾 🏋			
Linear, logarithmic and inverse law			\times
O Power law, logarithmic and inverse law		~	×
Linear, logarithmic and power law			\times
Linear, exponential and inverse law			×
Add option or add "Other"			
Structuring elements runs over image's	<u></u>	Multiple choice	•
	<u></u>	Multiple choice	-
Structuring elements runs over image's		Multiple choice	×
Structuring elements runs over image's B I U © 🏋		Multiple choice	× ×
Structuring elements runs over image's B I U	4	Multiple choice	
Structuring elements runs over image's B I U © 🏋 O rows Coloumns		● Multiple choice	×
Structuring elements runs over image's B I U © 🏋 rows coloumns Every element	4	Multiple choice	×



...

Using the morphological operations, the boundary extraction can be performed by:		Multiple choice	-		
Oilation of image by structuring element followed by subtracti	on of the r	result from the ori	×		
Erosion of image by structuring element followed by addition of the result with the original					
Erosion of image by structuring element followed by dilation of the result with the original					
Oilation of image by structuring element followed by erosion of the result with the original					
O None of the options		~	×		
XXX					
The difference between Sampling and Quantization: Chose the correct option		Multiple choice	*		
ampling rate determines the spatial resolution of the digitize	d image, v	vhile the qu 🗸	×		
sampling rate determines the number of grey levels in the dig	gitized ima	age, while the quan	×		
Both determines the special resolution of the image			×		
No statement is correct			×		
The non linear spatial filters whose response is based on ordering of the pixels contained is called	_	Multiple choice	*		
B I U © T					
b 1 <u>u</u> (a) X					
O Box filter			×		
Gaussian Filter			×		
Order-statistic filter		~	×		
Laplacian Filter			×		

...

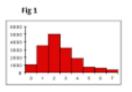
Multiple choice

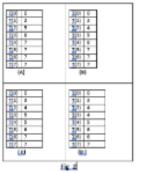
Lets you have a $M \times N$ pixels image, where M=N=128. This image contains L=8 gray level with the following distribution (see fig 1).

From Fig 2: Find the gray scale transformation S=T(R) that yields a uniform Histogram.

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 ○ A
 X

 ○ B
 ✓ X

 ○ C
 X

 ○ D
 X