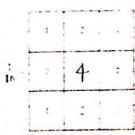
THE LNM INSTITUTE OF INFORMATION TECHNOLOGY, JAIPUR

IMAGE PROCESSING - QUIZ 1 (2017 -18, II)

1.	A CONTRACTOR OF THE CONTRACTOR	the intensity	y of the immediate pixel is assigned
	a) bicubic interpolation		
	b) cubic interpolation	V	
,	bilinear interpolation		(V)
	d) nearest neighbour interpolation	,	
2.	What is the output of a smoothing, linear spatial filter?	,	
	a) Median of pixels	/	
	b) Maximum of pixels		
	c) Minimum of pixels		
١.	d) Average of pixels		

- 3. Which of the following is the disadvantage of using smoothing filter?
 - ·a) Blur edges
 - b) Blur inner pixels
 - c) Remove sharp transitions
 - d) Sharp edges
- 4. The mask shown in the figure below belongs to which type of filter?



- Sharpening spatial filter
 - b) Median filter
 - c) Sharpening frequency filter
 - d) Smoothing spatial filter

5 What is the general form of representation of log transformation?
$(1/r)$ $s = c \log_{10}(1/r)$
b) $s = c \log_{10}(1+r)$
$c) s = c \log_{10}(1 r)$
d) $s = c \log_{10}(1-r)$
d) $s = c \log_{10}(1-1)$
6. Which of the following depicts the main functionality of the Bit-plane slicing?
a) Highlighting a specific range of gray levels in an image
b) Highlighting the contribution made to total image appearance by specific bits
Highlighting the contribution made to total image appearance by specific byte
d) Highlighting the contribution made to total image appearance by specific pixels
7. In a dark image, the components of histogram are concentrated on which side of the grey scale?
a) High
b) Medium
Lettow
d) Evenly distributed
9. If the images are displayed wis 9 bits the substitute area of the state of the s
8. If the images are displayed using 8-bits, then, what is the range of the value of an image if the image
a result of subtraction operation?
a) 0 to 255
b) 0 to 51!
ec)=255 to 0
d) None of the mentioned
9. If an image contains K disjoint regions, what does the union of all the regions represent?
a) Background
(b) Foreground
c) Outer Border
d) Inner Border
dy times but del
10. Two 8-bit images having one pixel gray value 84 and 5 at the same location, are operated against
AND operator. What would be the resultant pixel gray value at that location in the enhanced image?
· 🐹 164
· b) 251 -
1 294
dy85-