Quiz-4

Answer **ALL** the questions

Total marks - 20

1. Explain any four differences between image enhancement and image restoration with an example. **(4 marks)**

2. Write down any three different noise models and their source in real world applications.　　**(3 marks)**

Write your answer here

3. Write down pseudocode for Adaptive Median Filter **(4 marks)**

Write your answer here

4. Given the pixel distribution of an image:

r_k	p (r_k)	Huffman Code
85	0.2	
99	0.27	
120	0.21	
227	0.32	
Remaining	0	

(a) Compute the variable length codes for each intensity using Huffman coding **(5 marks)**

(b) Compute the average length of bits required when we use (a) fixed length and (b) variable length codes that you obtained from (a). **(2+2 = 4 marks)**

Write your answer here

-------------------------**Rough Work Sheet**-----------------------------

(Do not detach it)

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