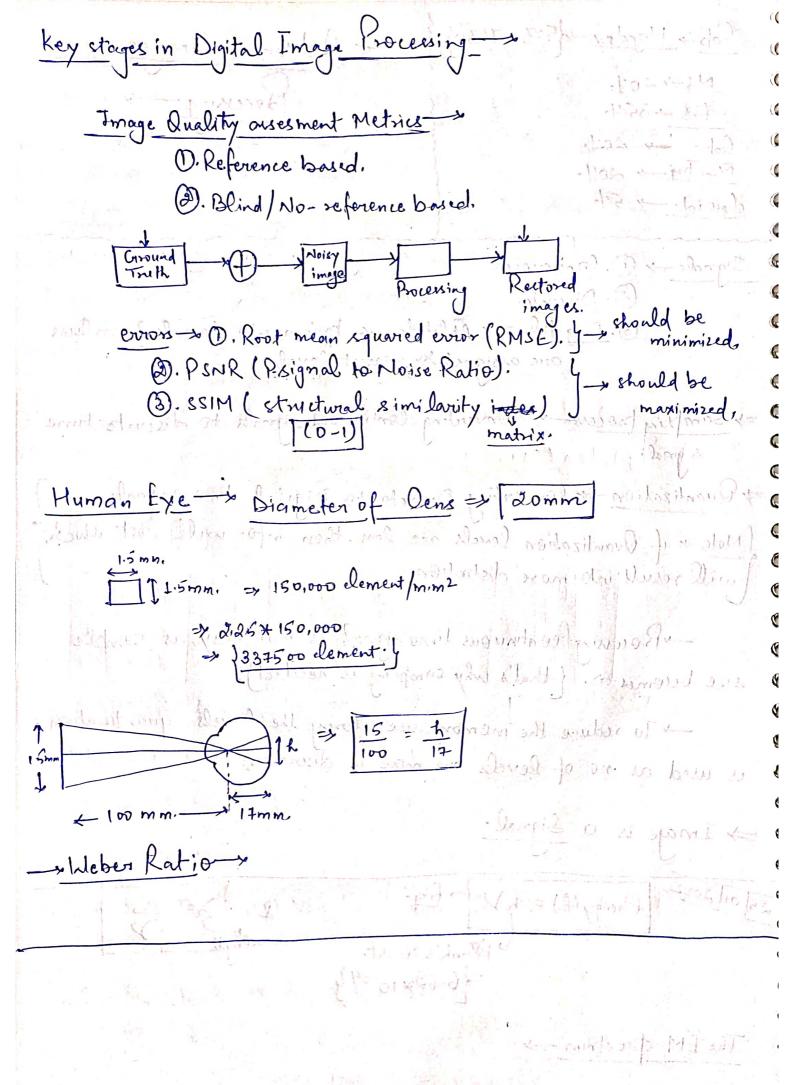
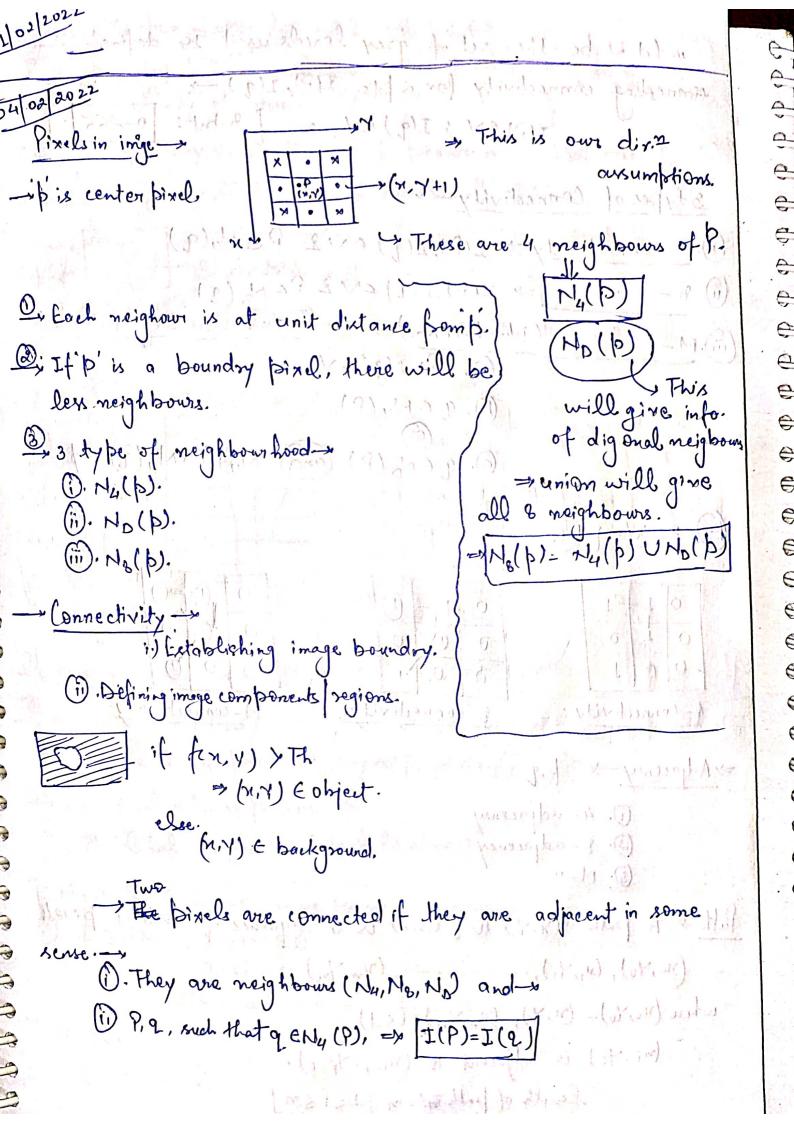
lab -> Monday -> (5:30-7:30) - Advanced Image MS-> 20% f-5-1351h Dab - 20% Bund ormander 1. The Mini pri-> 20% a visital of the Bolleria B classin. -> 50/0 3 Signals -> (1). Continuous (2). Discrete. 3 3. Digital. Aplitude is broken into levels 4 values are assigned to neavest level. 3 3 Sempling process > Converting Continuous signals to discrete time signal. Suantization - Converting Discrete to Digital time signal of Notes if Quantization levels are len, then info. will lost which will result into more distortion. -Processing continuous time signal is not easy, as sample size becomes as. (that's why sampling is neededly.) -> To reduce the memory size storing the levels, quantization is used as no. of levels are more in discrete. ⇒ Image is a Signal. Energy (E) = h) freq. > Plank's const. = 16.62×10-34 } The EM spectrum





| 162/2011 |
|--|
| the let v-be the set of grey levels used to define connectivity for a pts. IIP), I(q) -> |
| connecting connectivity for a pts IIP), I(q) -> |
| I(P) EV ; [8-bit: 0-255] |
| 3 types of connectivity |
| |
| 1). 4- connectivity = I(P), I(q) EV& PEN4(q) |
| 11) 8- 11 => I(P), I(q) 6 > 4 PE Hb (2) 111) M- 111 (Mixed-conn.) => 111. |
| iii). M - (Mixed-conn.) => |
| (3). I(Y), 1CQ) & Volume Production |
| (b), 9 = N4 (P) |
| 6. 9 END (P) (and) NUP) NNU (2)= 0 |
| (d) all (d) |
| (d) (h) (d) (h) (d) (h) (d) (h) (h) (h) (h) (h) (h) (h) (h) (h) (h |
| 011-1 01-10 0.0-0 |
| |
| 001 000 |
| 4- Connectivity. 8- connectivity. M-connectivity. |
| -> Adjacency -> p,q |
| 1. 4-adjacency 3. 8-adjacency 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |
| 3. 8-adjacency James (1919) |
| |
| Pather A poth P(x, y) to 2 (s, t) is a sequence of distinct pixels |
| (Mo, No), (M, N), (Mn, Mn) (Mn, Mn) (Mn, Mn) (Mn, Mn) (Mn, Mn) |
| 00 1000 (10) (0) (1) (1) (1) (1) (1) |
| (mi, Mi) is adjacent to (mi-1, Mi-1). |
| length of path = n[15i5n] |

Connected Component > let S = I and P.2 ES P is connected to 2 in S if there is a bath from P to g' consisting entirely of prixels in S. for any PES, the set of prixels in S that are connected to p is called connected components of s. 上院二十二十月 1年以上160日 -> @ object. on o when con = (and reprise gold Connected component labelling > 0 -11 00, by Cot of and as from a agent with the Di sean an image from left to right and top to bottom. Assume 4 connectivity. the street of the

(3): I be the target pixel at any step in the ___ process

(4): T(P)= pixel value at position p.

L(P) = label axigned to prixel location P.

Steps-> (1). If IIP)==0, move to ment position. (i). if I(b)==T, I(a)==@D I(#)== 0

Then assign a new label to P.

