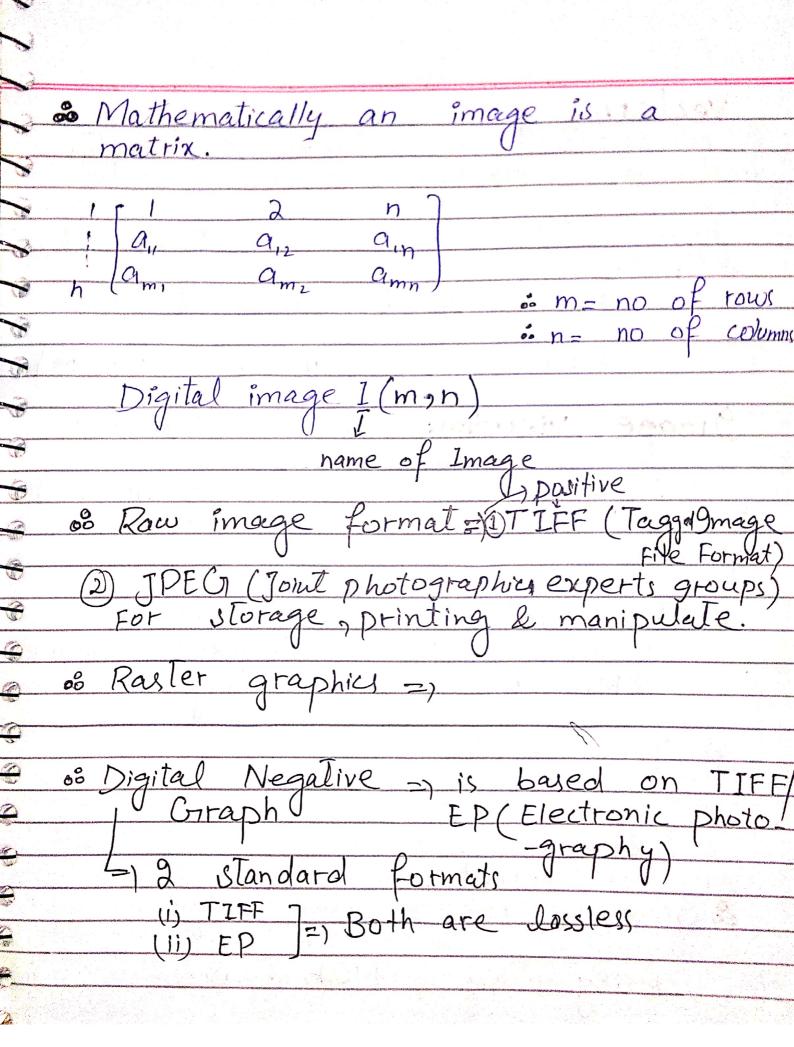
5 Mid Exam Digital 9mage is a digital image? -A digital image is a discrete representation of data processing both spatial and intensity. Discrete separate 97 Spatial - Layout 2 Intensity -) color a. 9 mage =) 2D plane
Ly combination of pixels 3. Pixel = Combination of pet or picture elements Lach pixel has some intensity shade folor Raster =) Image through camera any Image other olevices (Scanners & digital camera) 5. Vector = Through computer & Using matrix. 6. Basic color = PRGB = (Red, Green Blue) Other colors => CMYK Ly Binary Color

- CMYK = Cyan magenta Yellow.
and key.
Digital Image = Gray Scale =
Binary color -> Ob1 (Black & white)
To Camera through pixel :
Ly vingle vealer element or a
multiple component, representation.
8. Rayler:
A finite vel of digital value.
Smage > Pixel position
Pixel 7 Thiensing
9. Digital Image processing
¿First - Digital signal processing . ¿Now - Digital image processing
onow - Digital inage processing
co. Rayter file formets:
Exthrough digital cameras
1.T IFF & Tagged Dmage File Formatt
lossial & CrIF(Caraphics Interchago Format)
Jossey 2. Colf (Coraphics Interchage Format) 3. BMP (windows bitmap) 4. JPEG
N 4. JPEG



Vector:,
A vector consist Both magnitude, or length and a direction. Types = pEPS (Encapsulated postiseript of vector a) PDF (Portable Document Format 3) AI (Adobe Illustrator Artwork 9 mage viewing:, Creneral, Webbrowser slideshow is a rasterly lossless data comparsion)
graphics is an Extensible Markup language XML based vector image! of JPEGT =) lossy is GIF = lossless image very large. Milky way = 1946th in Size.

Digital Image Sensors:, LI MOS tecthology. MOS =) Metal-oxide-semiconductor Field effect transistor. 2 Invention = Mohammad M. Atalla & =) Dowon kahng Bell Labsin1959 Digital Image Processing: the use of a digital computer process digital images through Algorithm. of Data can be represent in two a. Digital Shape of something D. Noise = Greneral term for unwanted modifications capture, storage, transmission, processing