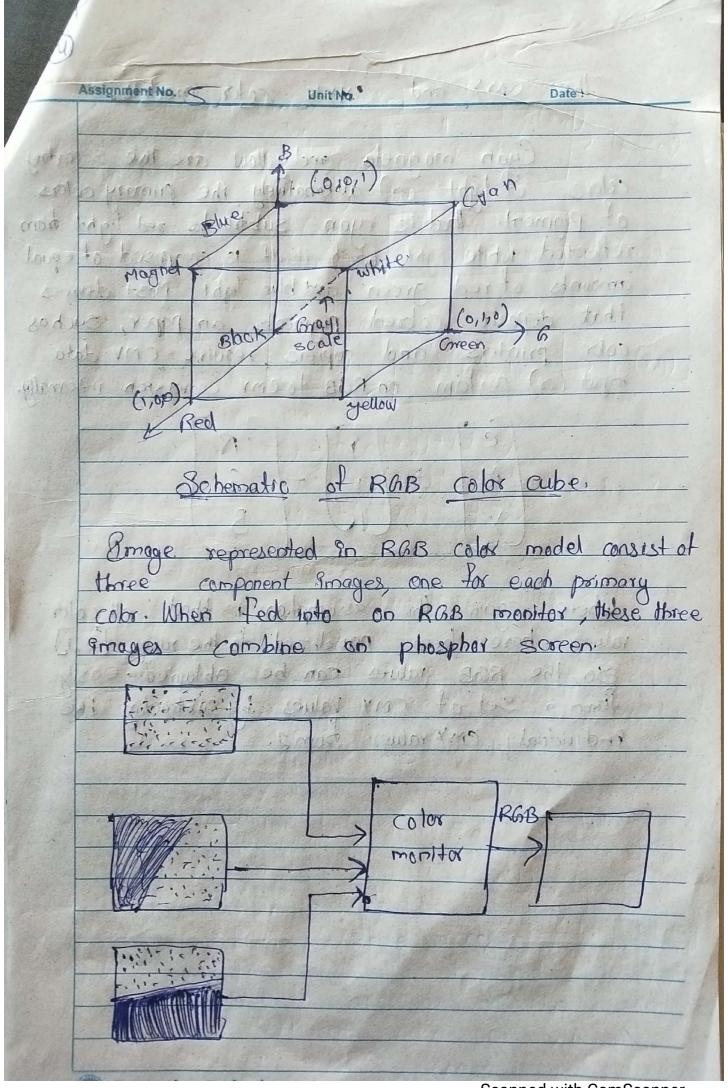


Si=Ti(Y1,Y2,....Yn) 1=1,2,...n Where Y; = color component of glocky) Sp (214) = Ky (214) Sch Coent) = KYA (204) 30(24) = Ky (24) In ASI COLO Space SI (2.4) 5 KT (2.4) In CMV cola space Sc(x,y) = Kre (x,y)+(1-k) Sm(xy) = Km (xy)+(1-K) Sy (x,y) = ky (xy) + (2-18) 4) Explain RGB, CMV and CMVK (olar models? the RGB Color model & Tolor . In the RGB model each Color appears in its primary spectral components red, green, and blue. This model is based on the Cartesian coordinate system. The color subspace of interest is the cube shown in the following figure. In which RAB, values are at three corners, cyna, magneta and yellow are at three other corners. In this model, the gray scale exclands from black to white along the line joining hos two Points



Scanned with CamScanner

The CMY and CMYK color models: Cyan magneta and yellow are the secondary colors of light (or) alternatively, the primary colors of pigment. That is eyon subtracts and light from reflected white light, which itself is composed of equal amounts of red, green, and blue light, Most downes that deposit colored pigments an paper, such as color printers and copiers, require CMV data input (ox) perform on RGB to CMY conversion. Indomally. Where again the assumption 18 that all color values have been normalized to the range (0,1) So, the ROB values can be obtained easily Hom a Set of CMY values by subtracting the and wideal CMY values from 2.