classmate Date Page

Part-C

20181CSE0621

1]a] Given, Size of Image = 1024 x 1024 x [1+8+1]
= 1048576 bits.

∴ Time required = $\frac{\text{Total bits}}{\text{Baud rate}}$

= $\frac{1048576}{56000}$

= 187.25 seconds ≈ 3.1 min

∴ Time = 3.1 min

b] Size of Image = 1024 x 1024 x [1+8+1]
= 1048576 bits.

Baud rate = 750K.

∴ Time = $\frac{1048576}{750 \times 10^3}$ = 14 seconds.

∴ Time = 14 seconds

c] The various types of images based on color formats are binary, gray level, 2-6 bit and 8 bit color format.

- The size of each of these images vary due to number of reasons which include the difference in the ~~root~~ number of pixels, the intensity, resolution and so on.
- As in each of these images the matrix is filled with either black/white in case of binary image & RGB in case of other formats it produces a difference in ~~colo~~ size of the image.