IPPR

* Exp - 1

* Post lab Questions.

1) What do you mean by gray level?

→ In image processing, a grey level refers to the intensity value of a pixel in a grayscale image. It tells you how bright or dark pixel is.

2) Write the expression to find the number of bits to store a digital image.

→ The expression to store digital image using number of bits is.

$$\text{Num of bits} = M \times N \times K$$

M - number of rows.
N - number of columns.
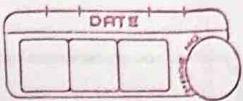K - number of bits per pixel (bpp)

3) Name types of resolutions w.r.t a digital image.

→ The main types of resolution w.r.to a digital image are.

1) Spatial resolution
2) Grey level (intensity) Resolution
3) Temporal resolution.

4) Specify the elements of the DIP system.

→ A typical Digital Image processing system includes.

1) Image Acquisition
2) Image storage
3) Image Processing
4) Image Display
5) Image Transmission
6) Image Interpretation

5) Write any four application of DIP

→ Common application of DIP are.

1) Medical Imaging (e.g, CT, MRI)
2) Remote sensing (satellite)
3) Robotics & Machine vision
4) Biometrics (Face, fingerprint).