

2018ICSE0621

Part-B

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Q.3] Analog Image Files Digital Image Files

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| (i) The analog image is applied on analog signals & processes only 2D signals | It is applied on digital signals that analyze images. |
| (ii) It is a slower & costlier process | It is cheaper & has faster and storage & retrieval process. |
| (iii) Quality is not as great as digital Image. | It produces good Image quality |
| (iv) Eg: Analog signals | Eg: Jpeg, png, svg etc. |

→ The process of conversion of analog to digital Image is called Digital Image Processing.

- It converts the continuous values into a matrix of pixels that can be given as input to computer systems.
- Pixels are the smallest element on a digital Image.
- This process is followed by:

(i) Image acquisition	(vi) Representation & Description
(ii) Image Enhancement	(vii) Object Recognition
(iii) Image restoration	
(iv) Morphological processing	
(v) Segmentation	