

SECTION-B

2. What are the various steps in image processing? Explain briefly.
3. Explain RGB and CMYK color models and their color range values. Elaborate their memory requirements.
4. Compare 'Homomorphic' and 'Inverse' Filtering. How do noise affect color channels?
5. What is the application of image histogram in digital image processing? Explain with example of Histogram.
6. What is region representation? How are regions represented and described?

SECTION-C

7. What are the different applications of image segmentation? Explain different image segmentation techniques.
8. How do spatial filters help in enhancement of digital images? List and explain various types of spatial filters with examples.
9. What is need of error free compression? List various coding techniques to achieve this. Discuss **any two** in detail with example.