Part A

| d. Row by row |
|----------------------------------------------------------------------------------------------------------------------------------------------|
| 5. Compute the number of bits needed to store the image of size 128 x 128 with 64 gray levels |
| |
| a. 4096 |
| b. 12288 |
| |
| c. 98304 |
| |
| d. 8192 |
| 6. Digitizing the coordinate values of a continuous image is called |
| a. Compression |
| b. Quantization |
| c. Sampling |
| d. Segmentation |
| 7. Lossy compression is useful in |
| a. Military imaging |
| b. Space imaging |
| c. Medical imaging |
| d. Television broad casting |
| 8. Discover the step which deals with tools for extracting image components those are useful in the representation and description of shape? |
| a. Segmentation |
| a. ocgcacion |
| b. Representation & amp; description |
| |
| c. Compression |

| d. Morphological processing |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9. The section of the real plane spanned by the coordinates of an image is called the |
| |
| a. Spatial Domain |
| |
| b. Coordinate Axes |
| a. Dlama of Community |
| c. Plane of Symmetry |
| d. None of the Mentioned |
| |
| 10. The range of values spanned by the gray scale is called |
| |
| a) Dynamic range |
| |
| b) Band range |
| A.D. al. and a second s |
| c) Peak range |
| d) Resolution range |
| |
| Part B |
| What is meant by image sensing? Explain the construction and operation of various image acquisition devices |
| Demonstrate the 2D transforms? |
| Demonstrate about adjacency and connectivity. |
| Describe the elements of visual perception. |

Part C

Describe the elements of visual perception.

What are the elements of image processing system? Describe its working.

Explain the RGB and HSI Models?

Describe the functions of elements of digital image processing system with a diagram.