

# STAR INFOTECH COLLEGE DEOLI

## MODEL PAPER COMPUTER GRAPHICS 2018

1. What is digitizer
2. What do you understand by shearing.
3. Write the functional characteristics of a light pen.
4. What is a work station
5. What is joystick
6. What is image scanner . list the parts of image scanner.
7. What is inverse transformation.
8. What is resolution ,pixel and aspect ratio.
9. What is the advantages of electrostatic plotter.explain its functions.
10. What are coordinate transformation
11. What is the difference between impact and non impact printer.
12. What is the difference between random and raster scan display
13. Differentiate between Cartesian and homogeneous co-ordinate system.
14. Write step to scan a circle by the general method
15. What is virtual reality.explain all parts of a virtual reality system.
16. Discuss and explain bresenham's algorithm for line generation. How dda differ from bresenham's line drawing algorithm.  
Or  
Describe the various input and output devices of computer in detail.
17. Explain various area filling technique in detail .  
Or  
Explain the working of direct view storage tube and CRT in detail .
18. Describe any one algorithm for translation and scaling .  
Or  
Write short notes on –
  - a. Reflection
  - b. Line clipping
  - c. Polygon clipping
  - d. Text clipping
  - e. Inkjet printer and its working with diagram.