1) Define computer vision 2) Application of computer vision 3) Low level, mid level and high level computer vision. Feature entraction 4) What doeson mean by degital image processing [The sequence] Emp 5) Comporent of irrage processing system 6) Describe the image formation system-7) 8 - connected & 4 connected fine - short notes 3) Spacial Resolution, Grey lend resolution 9) RGB and CMY madel. 10) Describe various stages of image procening. 1) What do you mean by radiometry in Enage pracering. 12) Types of geometric bransformation inleding 3D. 13) Image restoration, Image segmentation, morphology, should soupling, Shearing 14) Imag inhancement 15) Histogram - definetion, necessity, strecking, livear strething, numericals. equalization, diff let "structure and equalization, numerical 16) Describe the way to remove periodic noise from an image [forcer transformation] Discrete fourier Transformation. Inverse OFT. (Define and formula) 18) Major Alter Calegories: Low pass, High pass, Band pass, Band Stop. 19) What do you mean by edge detection? Describe steps involved.

201 Canny Edge Detection. (All those is to known)
21/2 LOG!! Hough

1) Explain Kimeans olistering 2) Defference let " K- means and KNN 9) Lemetal one of K- means 4) Déférence between Eucledian destare Manhallon déstare 5) Numericals on K-means 6) What is clustering? Give examples of clustering to solve real life problems 1) What is the missione in gaussian model. 8) What makes the distance measurement of K-medaed letter than K-means? When the segmentation is used over clustering. 9) Relationship leet " K-means and PCA 10) What is a centroid Bout in K-means? Does centroid initialisation effect K-means 1) advantages and disadvantages of K-means algorithm. What save the challenges anociated with K-means clustering 12) Numerical on K-medoid 13) What is supervised learning 9, unsupervised and semi-supervised ? [describe weeth proper example of algorith 14) Write difference between supervised, insupervised and semi-supervised, 15) Explain the neural network 16) Diff. bet " lialogical and artificial neural notwork. 17) What is activation function 18) Is ANN similar to standard computer? Explain 19) Shortmate -> Feed farward network, Feed leack metwork 20) Describe advantages of ANN. How is ANN useful in making a machine intelligent 2) Why is KNN a non farametric algorithm 22) What is space and time complexity of KNN? Is feature scaling required from KNN 23) Advantages, disadvantage and application of KNN 24) Numerical on Hough transform 25) SIFT 26) Goedy Stake algarithm

27) Regularisation theory 28) Sterea vision 29) What is leachground substraction method. Applications of it

30) Necessity of background modeling

31) motion estimation