IS BANK JANUARY 04 GIS system:-A GIS is a system that creates, manages, analyzes, and maps all types of data-GIS connects data to a map, integrating boardion alaty (where things are) with all types of descriptive information. Components of GIRS: GIS can be viewed as an integration of components that are handware & software, data, people. 05_1. Hardware & software: How dware relates to the devices used by end users such as graphic devices or plotters & seanners. Duta storage & manipulation is clone using a range of processor. With the doctopment of Internet tiwes based application, web servers have become power of many system's anautecture hence most GES's follows 3 tier architecture software, part relates to the processes used to define, store & manipulate the data & it is akin to DBMS-



IS BANK JANUARY 01 2.Dodasknown as the heart of GILS. Geographic data are basically divided into two main groups that are raster and vector. · Vector clasta/layers in GTs refers to discrete objects represented by politis, lines and polygons. Layers represent geometries that share a common set of attributes. vector sources include digitized maps, features extracted from image surveys etc Raster date is a continuous grid of cells in two dimension Poster de la are divided into categorical & continuous. (ategorial data is of soil type, vegetation type and suitability & so on continuous rester rayes would describe continuous phenomena in space. section as Typical raster sources are annual images, soutellite images & scanned map images. 3. Poople people are involved in every phase of GIS & in collecting data. Including countegrarners and surveyors who creates the map and sirvey the land and geographical fatures. It also includes system users who collect the data, upload the obtain to system. manipulate the system & armino the lesuts.

