ADVANCED MIS What is advanced MIS? 8.1. Ans: - Advanced MISs are noted for their ability to store, process, manipulate, and accurately communicate vast amounts of data. New structural forms are emerging as the physical presence of an organization & member is no longer mandatory (compulsory). Electronic messaging, bulletin boards, fax, decision, expert group and co-operative work systems, and computer networking allow rapid, yet of the organization's members. Q.2. What is the need of advanced MIS? Ans: - i) Advanced MIS create a great expanded organizational information base and can brioride for the consistency of the information. (i) Advanced MIS can provide the criteria and linkages required for the conclusions that are necessary to obtain the required data from the same source (iii) Advanced MIS can operate according to algorithms that will lead all users in a series of steps, to an identical conclusion or result, based on the same und information. (iv) Advanced MIS can help in the justification of new ideas, concepts, and for behaviours proposed for the organisation.

(v) Advanced MIS can create value for the organi-sation and its members. Q.3. Porobleme in achieving advanced MIS. Ans: - The major problems in achieving MIS are as follows: (i) Any major change that changes the functioning of departments drastically is likely to be challenged or resisted by the department of members as it changes their way of working. (ii) Some organizations does not have a culture of information based decision-making. Implementation of MIS in such organizations are always a challenge, as the employees have to be trained to appreciate the importance of information. in Scaling MIS - Very large MIS infrastructures can handle varying organizational sizes relatively easily, since the difference between a very large business. and an extremely large one is relatively minimal all things considered. It the other end of the for a very small business can also serve those organizations well with tools that we easy to use. The challenges come in the middle, where as organization is changing in size and scope and might outgrow its MIS eftware. (iv) Integrating M1S - the power of management information systems also carries the challenge of getting an organization's workers to buy

into them. The customer relationship mangemanagement programs that many companies use
management programs that many companies use
to help manage their sales posses are an
excellent example of this. CRM septimare
allows companies to maintain extensine dataallows companies to maintain extensine
bases to be information on energy customer
bases to be information on energy customer
and prospect. However, to stake advantage
and prospect. However, to stake advantage
them, customer service and sales representatives must report their activities within
tatives must report their activities within
the explication, and managers must be able to
use that data.

Staffing — For MIS to work, they need skilled staff. At the high level; MIS requires business professionals who understand how to use technology to drive business goals. Keeping the system ownning and safe from intruders takes sever administrators, network engineers, Security experts and help desk personnel.

(V)

DSS (Decision Support System)

DSS are interactive software - based systems intended to help managers in secision-making by accessing large volumes of information generated from various related information systems involved in organizational business processes, such as office automation system, transaction processing system etc.

making but does not necessarily give a decision itself.
The decision makers compile useful information from
raw data, documents, personal knowledge, and/or
business models to identify and solve peroblems

and make decisions. Attributes of a DSS Adaptability and plenibility High devel of interactivity (11) Efficiency and effectiveness Complete control by decision-makers Ease of development Ease of use (111) Wi) Support for modeling and analysis (VII) (VIII) Support for data access Standalone, integrated and Web-based (IX) Characteristics of DSS Support for decision-makers in semi-structured and unstructured problems. Support for managers at various managerial levels, ranging from top executive to line managers. Support for interdependent or sequential decision Support for intelligence, design, choice and lementation. Support for raviety of decision processes and styles. DSSs are adaptive over time. (VII) Improves efficiency and speed of decision-making activities. graphical analysis, evror correction mechanism, of facilitates the user interactions with the system.

* Classification of DSS

There are several ways to classify DSS:-

- represented information that could have a bearing on decision. It allows documents to be electronically created, revised and viewed as needed.
- (ii) Database Oriented DSS Database plays a major role here; it contains organized and highly structured data.
- (iii) Spreadsheet Oriented DSS It contains information in spreadsheets that allows to create, view, modify procedural knowledge and also instructs the system to execute self-contained instructions.

 The most popular tool is Excel & LOTUS 1-2-3.
- (iv) Solver Osiented DSS It is based on a solver, which is an algorithm or procedure written for performing cortain calculations and particular program type.
- (v) Rules Oriented DSS It follows certain procedures adopted as rules. Export System is the example.