- 1. Compare and contrast between water fall and agile software development Model.
 - => The differences between waterfall and agile software devlopment are:

		The Park of the Pa
	Agile Model	waterfall Model
1	The Brahmon veliconing	RISPIT SHOWS A CONTRACTOR
	2 Suitable for small	1. suitable for big
	projecto	unprojects may man
4	Market Market 19	and through 19 th and 114
-	2. Clients are highly	2- Client doesnot
1	mont of the deviop-	involve in the project
	ment of the project	involve in the project
1	3. Low cost of change.	3. High cool of at
1	The state of the s	3. High cost of chan- ge.
		96/
	4. Light process and	4. Heavy process and
	documentation.	4. Heavy process and documentation.
		A STATE OF THE PERSON NAMED IN COLUMN 19 IN
4	5- Main Roles: Architet,	5. Main roles.
	de veloper.	developer
		The bolopater party
	CONSTRUCTION BOX	Che de Oubline
1	Market Market Course	WALL OF THE PARTY
1	CONSTRACTOR	OCH SHOULD OF

2. what is feasibility study and why do we perform feasibility study? Discuss different types of feasilibity study. - reasibility study is an analytical program through project manager determines the project success rates and through feasibility study project manager able to see either project will useful for us or not and how much time, it will take to get completed. Teasibility study is performed for various reasons. 1) It allow companies to determine and determine organize all of necessary details to make a business work The helps to identify logical problems related with buisness. (iii) It helps to solve the problem which is occ-Types of Feasibility study:
P) Schedule Feasibility:-It ensures that the project should be completed within given time tonstraint or schedule. It also varifies and validates wheather the dedlines of project are reasonable or not (11) Technical Reasibility: Technical feasibility is a measure of the practically of a technical solution and the availability of technical resources and expertise. Normally it contains these essues! practical enough?

(b) Do use cumently posses the neressary tech-2 nology ? Do we have the necessary technical exports Pare Landon Charles Charles iii) Operational Feosibility Operational feasibility is that measure of how well a solution meets the system requirements in order to solve the problems and take advantage from the opportunities identified during the scope defination and analysis activity. (iv) Economic Feasibility: Economic feasibility is a measure to identify the financial benefits and costs related with the development project Lots of people focus more on economic forsibility The main of (EF) is to destimate the economie requirements of candidate system before threstments funds are committed to proposal. watersprove on the emission the 3 List any four-four examples of functional and non-functional requirements of university system. Also discuss the Requirement engineering Process in brief. =) The functional requirements of university systare as follows: topology ale dela del student b) Teacher 10 Admin Soggisters Administrator Into A

The Non-functional requirement of university sy glem are as follows: Avarlability security) usability 9 Maintainability Requirement engineering to the process of do Aning, documenting and maintaining the requirements.

It consists following processes: Requirements Elization & @ Requirements specification 3) Requirements venification and validation Requirements management (3) Requirements Elicit ation: It is related to the Namous ways to used to gain knowledge about the project domain, and requirements. The various sources of domain knowledge include customers, business manuals, the existing software of same type etc. It is used for interviews, brainstroming, task analysis, prototyping etc. (2) Requirements specification: This activity is used to produce formal software requirement models All the requirements including the functional as well as the nonfunctional requirements and the constraints The specified by those models in totality. During specification, more knowledge about the problem may be required which can again trigger the elicitation process.

3) Requirements verfication and validation:

verification refers to the set of

tasks that ensure that software correctly
implements a specific function validation
refers to a different set of tasks that
ensure that the software that has been
built is traceable to customer requirements.

It consists these steps:

One two requirements should conflict with each other.

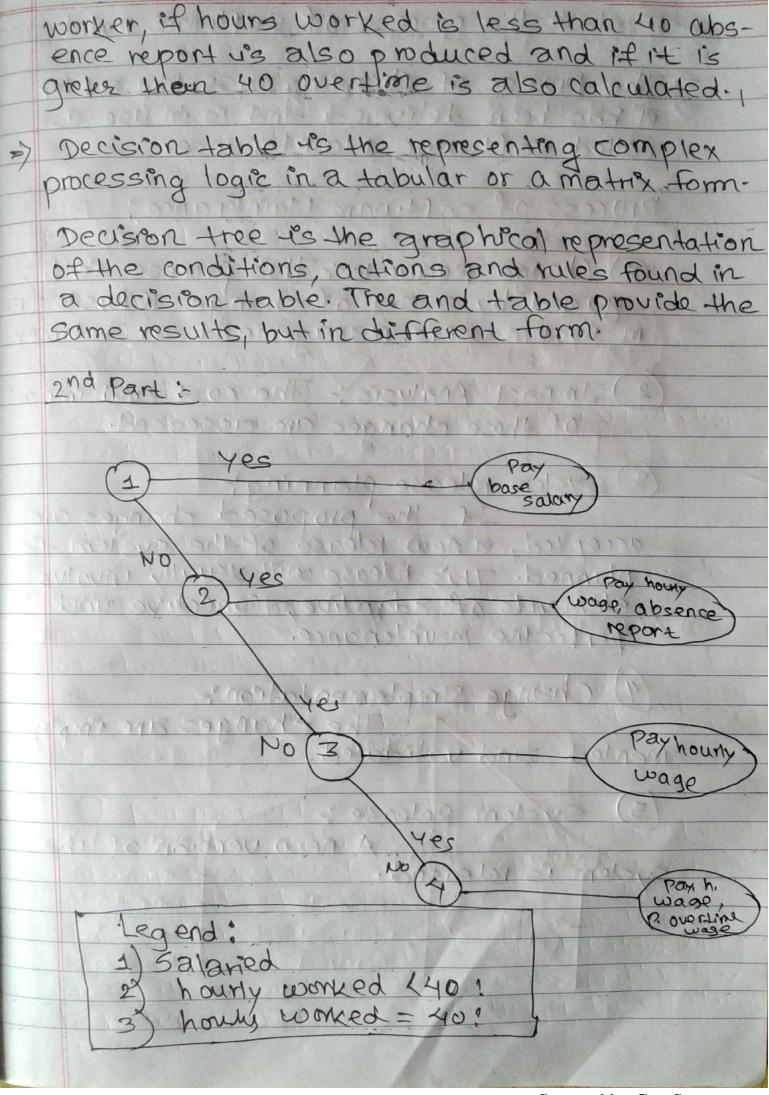
The requirements should be complete

The requirements should be practically archievable.

Requirements Management:

Requirement management is the process of analyzing do cumenting tracking prioritizing and agreeing
on the requirement and controlling the communication to relevant stakeholders. This stage
takes care of the changing nature of requirements. It is the important part of requirements eaginnering process.

Define denision table and thee. Draw the decision tree of the following given case herewith. Create a decision tree to represent the logic of payroll system described in the following namative. There are two types of employees salaned and hourly All salaned employees get basic salary. Hourly wage is calculated for hourly worker. For hourly



5. Explain the process of software maintenance. The process of changing a system after A has been delivered and is in use is Called software Maintenance. MILEGAR TO YOURSE IN SINGLE PROLETE process of software Maintenance: (1) Change Requists: This process is the ggered by a set of change requests from system users, management or customers-(2) Impact Analysis: The cost and impact Of those changes are assessed. 3) System release planning:-If the proposed changes are planned. This release of the system is planned. This release will usually involve elements of adaptive, corrective and perfective meuntenance. (4) Change Implementation: The changes are implemented and validated. (3) System Release: A new version of the system is released. Showway of your A 12 Something the color

