Herrjeet Management & steps Vorit - 5
Ruality Management audity concept in software engineering analy wuceps :-1. Postability : a software device is said to
se postable if it can be preely able to work on
different operating eystems multiple muchines 2. usability - if various caregories of customer com easily invoke the function & feature it ill enhance the cusability of software. 3. hemability - If different modulo of software

lan be quickly reused to develop

new feature & product. 4. correctness: if the various component of SRE 15 completely 3 my lemented then it is correct. 5. maintaingbility: - et buge com Be easily managed & new foantwee are easily added Leffivare Quality Assuarance it is me set of activity & that assure the quality and as well as spondard & provess flood one suitable.

Benifth of software Quality assurance > 15
3t produces brigh quality software off
as High quality opplication saws time and 21 software quality assurance his. · Evality management approach. 9. SQA is benificial for reliability
4. it is benificial if their is no need of
maintaename for long term 3: multi-tasking sprayagy effective software engineering tech 5. measurement mechanism, 5. improves proven of theoring creating soffware.
6. Quality also gets improved. major software quality assorrance outsisted >) 1. Sat nanagement plans - make appen for how -out the project: Have a idea about which out of set the serving sulivity are best. Disadvandage of software quality ossulance -> -> adds more herousce -> employs more worker to maintain quality. 2. Let the check point: - wirst have checkyrointi 1 Soffware Review it is a systematic inspellion of softwore. collect & analysis the duty. by one or more individual who weeks together to find & regolve error and defects in s/w 3. Multi testing strategy - do not depend on single during early stages of SDLE. This helps to maintain the quality and functionality of other wifall features. have lot of festing approach and lable we then eneasure change impart: the changes of 1. to improve the productivity of Development beef the measure of impact of hungen 2. to make taking time is cost effective 3. make final software for defetire (Suspens 1 4- eliminate inadequacies

Process of 20 throne reviews	3) walkthrough—
Entry Evaluation	guide by author and other interested parties and the participants art question
monagement porepriation	Telmical herieus -
Review planning	individuals examine the software for it's dient use and identify fechnical defit
1 preparation	5). Inspection - tollows with the
examination & exit evaluation	5). Impertion - follows well defined process to
3 Valence Comments in the	11) Software Management reviews -
Types of software seviews	11) Software Management reviews— evaluates the work status. In this sestion decision regarding downstream acting are taken.
peer review is the process of	The ending the same of the sam
quality of product. Peer review is	(ii) Software audit seriew - it a type of external serieur in which one or more exit
perouned in order to examine of	Organisation an independent inspersion of
resolve the defecte in software	the software product and its process to asses their compliance with stated specificat
Peer sees w has following types	
1. code review - computer source (code is examined in systemetic way	Advantage of software remiew — · Defects can be identified earlier stages of SDLC.
	· also reduces maintanence cost of s/w
2. pair programming - 1/2 1/2 a code where two developas develop	used to train technical authors:
platform.	(sures 5 male und to hemore process male que

Destrone metrice Extrace metric are test size metrics -assility control flow modera Septiment metrici are netuable for many season > LOC Panning wark item incessing producting token count function +x 5 description of software metrics: Types of metrics: 1. Size & complexity of software
2. Quality & religibility of software i) internal metrics: - used to measure property that are victured to be greater importance to a software developer, for example LOC. There can be computed in different stages of SDLC. ii) external melting - used to measure the peoplety
that are viewed as greater important
e.g. portability, reliability, functionality, usability 2. Process matric: - used for measuring efficiency of fault detection. The state of four detection of fault detection. in) hybrid metrice - this combines product, process om sessurce metric example - cost per FP, FP stands for function point metric classification. S/10 metrus porocers metrie poradecy meloty Advantage of Software Metric . me Manch." 1) used in preparting Software quality specifics
2) getting idea about the complexity of code
3) in allocation of testing resource for testing
for code static metria g composition of compliance of SRS. Wormatten weighted Dete size of darign contro/flow metris menic metrie Strutm netris metric - henry < Kahren

Disaduantage of soltware tir	
Disadvantage of software metric:	
-> The warder of the state of the	
Software meters based on historical data i nalidation is difficult	
i validation i'v ditticult	
23 3 4 7 7 7 3 4 5 D COC	
-) most of niedictine inades alli on	
estimates of certain variable which are often not known precisely.	
Often not known precisely	
> not useful for evaluating the performance	
→ definations & derivations are based on assumption	
assumption	