		Done 1 1
Un	four differences	ments: 12 manks) between ed testing (4 man)
Parameters Perintian Processing	manual Testing In manual testing the test-cases are executed by human tester manual testing is time-consuming	Testing In automation testing, the test ceves are executed by software tools It is comparatively
1 Initial Important	manual testing takes up human resources. It is lower	Automation testing takes up automake tools & trained employees. It ?s higher.
Surable Surable	dimost any software product	accurace as it is performed by tools. contractor steedles System & regression
Penformance & Bather (estare)	Motpossible	Scanned with CamScanner

1			Day, Ma.
07	Desteriar testing	te between steet	(4 marks).
1	1 oters	Static	Dynamic 1
	Parameters	Techniques	Technique
		do execution of code,	exection or test
	Becurios	programs, or	Coese 22 done on
		documentation.	cactural system
	Purpose	To Edentify defects	to test the functional
	Sad	early, without executing	
1000	1110	apriem.	during runtime:
	Mature of Testing	Review bosed, Make	
_	O	documentation, code	ensures sottoane
1	1100	Standards etc.	behave as expected
5	netrade	inspection and its.	Box testing method
-	nem	Trispectato Della la	like system & structural
111	man 4	and million day	testing.
1	Exclusion	checks conformance	Exaluates the system
110	2	for requirements	1
		. 47.9	to expected results
- 1	4 400	www.commania	turg of was (1)
1500	Tools	Checklists,	Test automation tody
	Treel	Standards	delargging tools.
	(1)	beer renicons	1. Stranger
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	1747	23 7 1 1 3 7 2 4 4 05 C	1 styria x 2 in
	Section 1		Coopped with ComCoopper

93 Enlist any four software testing (2marks) 8) 3001 t BJIRA on Hunit -) QTest 10) Test-19nk Text Rail 11) Sahi 4) Cucumber 12) Egyplant S) Selenium 13) 2Ephyr 6) Load Runner 14) Browses Steel 7) Xray Ou why Esthere a need for automated testing tools? Steete any two reasons, So Automated testing tools repeat prerecorded actions and check ? results match the expected once. Donce created, automated tests can be easily reused and can do tooles that manual testing count handle 3 Automation saves times and money by reducing the need for manual, repetive feste. 4) Automation improved according by avoiding human errors in repetiture tasking. 5) Autometted tests can run of different Computers and configuration to chark compubility. 6) Automated tooks ceen celso check Include the softward like memory cend doity, to ensure everything everyty works as experted.

Advantages and Dicadrantages of wing (4 marks /2 marks) Advantages Traves Time & Automated texts run faster than manual tests, provides quick results. Qust-Effecture: Although there may be high setup cost, automated festing saxes money in long run by reducing need for manual labour. 3) can be Reused: once created, automated testes can be run many times without entra effort. More Accurate: Automated tests are Considert and avoid mutakes that can happen in moneral testing. 5) Detailed Reports: They provide clean logs and reports, making it every to find of fix problems. 6) Parallel Testing: Automated tosts can run on severeel computer at once jeneuring broader contrage. Reusuable: The automaked tests can be reased on different tensions of software of even interferre changes.

DisAdvantages Dreeds Regular maintenance: Teste need to regularly updated when software @ Rependency graveous : People depend on the tool alot. (3 No Human rough: They may not could usuability problems that migh person notice: @ complex Setup: Setting up automated testing tools can be complicated and time consuming. 3 Limited Hexibility: Dutomated tester can only check what a programmed for and might mus unexpected ques. 6) High InHalcost: Setting up cultomated testing can be expensive and requires investment on tods and training Q6 State any eight limitation of manual (Hmarks) D Manual testing is slow and expensive Bit requires a lot of time ar effort to complete fests Branucel testing Struggles as software complexity Increases, making It within and more time consuming a Results very between tosters. making test Propositions:

of many tester lack proper training leading to mutakes 6 boon Fandang small differences in you sizes and colors ? difficuit. (7) manual testing 2s not effective for large on time - sensetime projects. (8) Tou cant run multiple tosts at once jeent requires human Intercections. (9) Comparing large data sets manually is hander and impratical. (10) Handling change requests takes longer with manual testing Of Enlist feectors considered for selecting a testing tool for test automation Describe the criterias to select festing tools. = Dicheek Readiness: make sure your company "is ready for new tool. Find Arecos in Improvement: Look for places where the tool can help testing get better. 3 compare Tools: See which took matches your needs and goals. Ditex the tool: Try the tool on small project to check 9+91 works well.

(E) check the rondor: see it vendor give good support straining cound "its affordable Delan How to one Et. make a plan for using the tool and helping your team team it 08 pergne metrics and measurements Describe three types of metrics. Meed of software measurement. Software measurement Thes is the way we measure the size comount cor quality of something It helps as andersteend specific features Of software product or processifike how big ? Is or how well gt works. of william soft admin Direct measurement Types of Software Indurect measurement meesuremen Need of Software measurement Dfand and fax problems. 2) Check quality of product of process. 2) improve product or process. 4) Ensures ?noustricel standards are follows I make better decisions based on date 6) provide clear way to evaluate the



