QD Explain task analysis, design dialogs notations, warning and everor messages in detail. 1. Task analysis -(i) Task analysis provides study of performing tasks & comparative performance analysis of existing HCI system. Tasks may be divided into multiple sub tasks using modularity (ii) Multiple Fasks may work as part of parallel processing. There are three techniques used in task analysis namely -1. Tasks are divided into subtasks 2. Tasks are classified into various categories 3. Tasks are listed. (iii) Task analysis is used to provide quideline about sequence by tasks to be performed by the user of selection appropriate methodology used solve tasks in correct way 2. Design Dialog notations -(i) Design dialog notations used to ease of analysis & reparation of the interface elements of the program from the actual calculations (ii) For using special notation is to write down the dialog before a program is written. This allows the designer to analyse the proposed structure perhaps use a prototyping tool to execute diale (iii) A dialog notation is also a way for member. of design team to talk about design & eventuall for designer to pass on intended dialog to prograv of the actual application

3. Warning -Something has not worked as it should work. This may be of greater of or lesser importance eg:- An input file was not found or was in wrong format 4. Emor -Something serious' has gone uxong. This may require existing may be recoverable depending on the circumstances. eg: The system has failed to allocate dynamic memory as suguested (DOET) in HCI! Design of Every Day Things 1. We are surrounded by many everyday things that have poor usability like programming a VCR, telephone features we can't remember how to use, photocopiers and far machines face down or up. 2. Many of these things can be difficult to interpret and frustating to use if they provide no dues or false clues as to how they operate. 3. Usuability is important because poor usuability results is anger & furstation, decreased productivity in workplace, higher ever rates physical and emotional injury, equipment dama loss of customer loyalty, costs money 4. Usuability is a measure of the effectiveness,

efficiency and satisfaction with which specified uses can achieve specified goals in particular environment.

5. Example of poor design Wireless powerpoint slide controller, refrigerator temperature control.

9.3) Write short note on following testing:

(i) In HCI system phase wise, module wise & step usise testing is required at each & every level. Because every level is dependent on correctness of previous level. User testing is important testing to evaluate about best suitable solution from multiple users based on their perspective & technical skill set.

(i) User testing is performed based on prediction analysis that includes historical knowledge, present knowledge about given problem. User testing provides outcome based approach at all the levels of HCI system.

2. Usability testing
(i) It is a non functional testing technique that is a measure of how easily the system can be used by end users. It is difficult to evaluate & measure but can be evaluated based on below parameters.

1. Level of skill required to learn the software.

2. Time required to get used to in using software.

3. The measure of increase in user productivity.

4. Assessment of users attitude towards software.

Document succommendation. Choose participants Analyze results -Peyform tests fig: Usability Testing Process 3: User Acceptance Testing -(i) A testing methodology where clients/users involved in testing the product is validate the product against their requirement. It is performed at client Location at developers site (ii) VAT is content dependent & VAT plans are prepared based on the requirements of not mandatory to execute all Kinds of user acceptance tests 4 even coordinated & contributed by testing team. Unit testing Alpha Contracts & regular acceptance Integration) Beta testing Operational System testing. acceptance

(ii) The acceptance test cases are executed against test data or using test script & then results are compared

noith expected ones	
what are the various shares used in	Nadel-las
Waluation?	· Made ba
1. Use model first	
2. User testing for final check	
1. Use model first 2. User testing for final check 3. Loop back y necessary.	1000
Start	
1	
Choose benchmark tasks	
Specify/ surise interface design	1
Constant (use in an aircoving an all	
Construct Presise engineering model	
Evaluate usuability with model	
an benchmark tasks	
1	
Problems 9 - Yes	
1 No	
Implement Julise prototype	
, 1	
Evaluate usuability with	No
empirical user testing	
, 1	V
Problems? - Major problems	9 Yes
1 No	
Design complete	