Date. UNIT 3 Page No. the puocess of transferring the design of a system into a compa larguage journa uers who are independent people the designer \* Software Implementation Development is an imp step in she It result in an executable version of the software \* Coding guidelines are defined such \* different tools as comp nd interpretere are used & Programming languages such a lython, etc are selected on the of the podder the design of system into a Computer Task of testing and maintenance loding 3) Making the program more readable

Page No. \_ Page No. \_ Structured progress consist of well Structured Programming Structured Rangeaming helps to develop stouctured modules. But separated and the entry and exit in a stautured purguans that are caries to understand program in a eingle - time event In this the code will execute the It wears that the prooperary use single instruction by intruction entry and single exit elements the other. It doesn't support the Therefore a stouchured program is well maintained, rest and lean program. possibility of finiping from one instruction to some other with the help of any statement like GOTO etc This is the aleason belong the structured The instructions in this approach will in the programming world. be executed in a cereal and strectured many In Structured Lunguaring, a program Advantages has both static and dynamic structures Pasies to read and understand Usea priendly The state structure is the sysokmatic Caries to Maintells aganization of the program statements Mainly problem based intead of Machine based The dynamic drutting region to the order boundapoint is carier & less effort and him Of instructions to be executed. Early to debug Machine independent Dynamic stoucture may vary based on the data input. Disadvantages Machine independent + takes the to convert Three important principles in structured into machine code Sequence are Machine code is not save as assembly long language dependent Republion

Date. — Page No	Date. ————————————————————————————————————
Information Hiding A scophware always containing class Structure to store information should the problem domain	languarung Style.  The programming style west be helpful in writing simple and clear code.  with no confuser errors.
In practice, only some arount of infermation is used prequently.  Thus, some information should be hidden or not made available	The goal of good programming stylis to provide understandable, stronglo poward elegant cocle.  Some importpant factors to a chiese this Objective are as judiques
for celetaining the data.	11/10/00/00/00/00
The a student's record, he she should not be given access to readily the yes paid attribute by anybody exapt the in-charge accountant.	The is good to use singly entry lexit control stratements such as if while, as do while etc.
	2) goto: Unconditional goto statement rust be duoided.
And the state of t	3) Information hiding These doubt be support for information hiding Only the acress functions for the data structures should be read,
to the second of	the data structures should be read, to visible while hiding the doubt structure behind these functions
	and the state of t

Page No. \_ Page No. The data source should be trustworthy 4) Vesting A complex nesting on loops must be Importance to the easier handling using avceided exceptions must be given 3 Module Size If there are switch lass estatements Large module size well not be cookering they sould be accompanied by default and difficult to debug 6) Hodule Interface The interface to the module should not be very complicated. It should be Downentation easily understandable and debug Code documentation is used to gues inferration about the software product to the people who are using it. 3 Side effects be readification of value is other Convents play important note is software perameters ushich is not desirable docerentation. These is called side effects. This should be avoided or well downerted The purpose of the redule, description of different data istructure, and test cases 8) Robustness to be used is guisen using convent exceptional conditions du to incorrect input, the incorrect value of some Hanuals, readure files, and installation unicable should not cuash the providuees can be guies in the documentation program thaningful ressages should be displayed in such situation Contact information about the developer and Maintenance team is also mentioned is Emply is eld, loops, and return values must the downertation.

Date.	Date. — Page No. —
Expor: When there is a neitake in a code then it is called an assure	
Export when there is a with	E milliones under test is known as
Code then it is called an error	he scapera
Escres way be the whole	Recoglivare under test is known as
hardware, testing ernous etc	1 1 word for charling
C 00	The sample data and the SUT is known the behaviour of the SUT is known
fault: The state of incorrect washing	as a test care and test suites.
There may be a fault in I want	as a test (all all all test
There may be a fault in the intel	
There way be a fault in the interfece of the colling of	
Of the cophian ctr.	1) a collinario . La una
	evanated military that
failure: The system cleads to jailure  if there are multiple defects, y	de de loit
y the air multiple defects, y	THE RESERVE THE PROPERTY OF TH
Constitution of the second	The CITIES of the Court of Court
a system then the	test cases. Test suctes vesult is
system is in failur condition	come specific behavior of the software
The state of the s	Test cashes and writer are married or
Testing is a method to check whother	automatic lastanos de caucial 22
the actual software product matches	
the actual software purduct matches expected requirement, and to enun that software preduct is Defect free	man along within the design of
that softwar product is Defect free	Functional Testing regers to leating
	functional testing chefees to lesting
It plays an imp role in developing	albether the system neets the
grality softwar	predetermined requirements.
Testing is not proved the	
testing is pulphed using reclevant data and the software is executed to check the expected output.	The processing of information in different functions is very truing test cases in functional testing.
chick the expected output.	functional feature.
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